

DUKE POWER COMPANY

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April 29, 1988

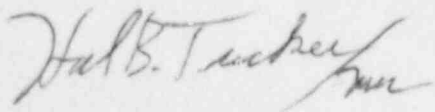
U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Subject: Catawba Nuclear Station
Docket Nos. 50-413 and 50-414
Annual Environmental Operating Report

Dear Sir:

Enclosed please find a copy of the Annual Non-Radiological Environmental Report for the Catawba Nuclear Station Units 1 and 2 covering the 1987 calendar year. The report is being submitted in accordance with the Catawba Nuclear Station Environmental Protection Plan, Appendix B to Facility Operating Licenses NPF-35 and NPF-52. Attachment I contains the Aerial Remote Sensing Report. Attachment II contains the Fog Monitoring Study Report. All other required information is provided in the enclosed Summaries and Analyses of Results and activities required by the Environmental Protection Plan.

Very truly yours,



Hal B. Tucker

JGT/10/sbn

Attachment

xc: (w/o Attachment I Infrared Aerial Photographs)
Dr. J. Nelson Grace, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. P. K. Van Doorn
NRC Resident Inspector
Catawba Nuclear Station

IF25
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Summaries and Analyses of Results of
Activities required by the EPP

Section 4.2.1 - Aerial Remote Sensing

Pre-Operational infrared photographs were obtained in 1983 and 1984. Operational data was obtained again in 1985, 1986, and 1987. The photographs and report are in Attachment 1, Aerial Remote Sensing. To date, no damage to vegetation in the vicinity of the cooling tower has been observed with infrared photographs.

Section 4.2.2 - Sound Level Survey

Operational Sound Level surveys were conducted in 1986 and compared to preoperational data. Noise attributed to cooling tower operation has not exceeded H.U.D. noise level criteria. The Unit 1 operational winter data are within the ranges measured during the preoperational period. The 2-Unit operational study was not completed in 1987 because of either equipment malfunction or unavailability of 100% operation of both units simultaneously. The study is scheduled to be completed during the summer of 1988. The final report will be submitted with the 1989 AEOR.

The following complaint was received in reference to noise.

Complaint Summary: Resident reported that plant related noises were disturbing him. Described these noise characteristics that he considered a nuisance.

Date: February 20, 1987

1. Plant PA system
2. Low steady hum (possibly cooling towers)
3. Loud sudden noise like a jet engine
(probably steam vent during a unit trip)

4.2.3 - Fog Monitoring

The fog monitoring study report is enclosed. This report concludes the commitment for the fog monitoring required by the Environmental Protection Plan. No further studies or investigations are recommended.

5.4.1(1) - EPP Non-Compliance and Corrective Actions

There were no EPP Non-Compliance Items identified in 1987.

5.4.1(2) - Changes in Station Design or Operation, Tests, and Experiments which Involve a Potentially Significant Unreviewed Question

There were no changes identified which involved a potentially significant Unreviewed Question.

5.4.1(3) - Nonroutine reports submitted in accordance with Subsection 5.4.2 of EPP.

There were no nonroutine events identified.

5.4.1(4) - NPDES Reports Related to Matters Identified in Section 2.1 of the EPP

Discharge Monitoring Reports Submitted to SCDHEC:

<u>Date Submitted</u>	<u>Period Covered</u>
January 9, 1987	December 1986
February 23, 1987	January 1987
March 24, 1987	February 1987
April 28, 1987	March 1987
May 27, 1987	April 1987
June 25, 1987	May 1987
July 27, 1987	June 1987
August 28, 1987	July 1987
September 28, 1987	August 1987
October 26 1987	September 1987
November 25, 1987	October 1987
December 22, 1987	November 1987

NPDES Noncompliance

BOD-March 18, 1987-Outfall 003