

DUKE POWER COMPANY

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HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

February 10, 1988

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

Subject: Catawba Nuclear Station, Units 1 and 2
Docket Nos. #50-413 and 50-414
Technical Specification Amendment
Reduction of Required Reactor Coolant System Flow

Dear Sir:

This letter contains a proposed amendment to the Technical Specifications for Facility Operating License Nos. NPF-35 and NPF-52 for Catawba Units 1 and 2. The request involves reducing the required Reactor Coolant System (RCS) total flow from 396,100 gpm to 387,600 gpm.

It is requested that this change be handled as an exigent Technical Specification change pursuant to 10 CFR 50.91(a)(6). Absent this change Catawba Unit 1 is limited to 98% of its licensed power level.

This situation has occurred on Catawba Unit 1 after startup from the refueling outage which ended in late December, 1987. Flow rate measurements have been taken and have indicated that the total RCS flow is averaging between 100.1% and 99.9% of the total required flow. During the previous cycle, and following startup after the outage, total RCS flow was consistent at slightly greater than 100% of the required flow and the unit was able to run at 100% power. Following refueling, on January 13, 1988, a precision heat balance was conducted pursuant to Technical Specification surveillance requirement 4.2.3.5. This test resulted in the lowering of the RCS elbow tap flow coefficients which are used to convert elbow tap pressure drops to flow rates. Upon insertion of the new constants into the operator aid computer, indicated RCS flow decreased. Therefore this condition did not exist until recently and this application is being submitted in a timely manner.

The attachment contains the proposed change and a discussion of the justification and a No Significant Hazards analysis. The analysis is included pursuant to 10 CFR 50.91 and it has been concluded that the proposed amendment does not involve significant hazards considerations.

This proposal involves one amendment request to Catawba's Technical Specifications. Accordingly, pursuant to 10 CFR 170.21 a check for \$150.00 is enclosed.

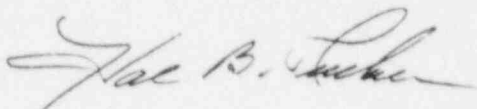
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Pursuant to 10 CFR 50.91 (b) (1) the appropriate South Carolina State Official is being provided a copy of this amendment request.

Very Truly yours



Hal B. Tucker

RWO/1336/sbn

Attachments:

xc: Dr. J. Nelson Grace, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

Mr. Heyward Shealy, Chief
Bureau of Radiological Health
South Carolina Department of Health &
Environmental Control
2600 Bull Street
Columbia, South Carolina 29201

American Nuclear Insurers
c/o Dottie Sherman, ANI Library
The Exchange, Suite 245
270 Farmington Avenue
Farmington, CT 06032

M&M Nuclear Consultants
1221 Avenue of the Americas
New York, New York 10020

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

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

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HAL B. TUCKER, being duly sworn, states that he is Vice President of Duke Power Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this revision to the Catawba Nuclear Station Technical Specifications, Appendix A to License No. NPF-35 and NPF-52; and that all statements and matters set forth therein are true and correct to the best of his knowledge.

Hal B. Tucker
Hal B. Tucker, Vice President

Subscribed and sworn to before me this 10th day of February, 1988.

Linda L. Kessler
Notary Public

My Commission Expires:

May 1, 1989



ATTACHMENT 1

Technical Specification Changes