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DUKE POWER

January 10, 1994

U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Document Control Desk

Subject: McGuire Nuclear Station

Docket Numbers 50-369 and -370

Catawba Nuclear Station

Docket Numbers 50-413 and -414

Technical Specification Revision to Change Method of Measuring Reactor Coolant System Flow Rate

Attached is a proposed revision to the Technical Specifications of the McGuire and Catawba Nuclear Stations, to change the method of measuring the reactor coolant system flow rate (TS 4.2.5.3) during the 18-month surveillance. The current method, calorimetric heat balance, has a large uncertainty due to hot leg temperature streaming. It is proposed to return to the method with which McGuire Unit 1 was originally licensed, cold leg elbow taps. This method of determining compliance with TS requirements for flow was abandoned in favor of the supposedly more accurate heat balance in 1982, before the temperature streaming phenomenon was adequately understood.

This change is applicable to Units 1 and 2 of both McGuire and Catawba Nuclear Stations.

The marked-up Technical Specification pages are contained in Attachment I, a Justification and Safety Analysis in Attachment II, and a "No Significant Hazards" analysis appears in Attachment III.

If any additional information is required, please call Scott Gewehr at (704) 382-7581.

M. S. Tuckman
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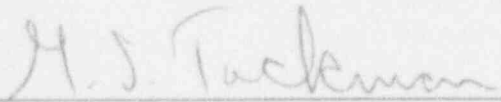
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M. S. Tuckman, being duly sworn, states that he is Senior Vice President of Duke Power Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this revision to the McGuire Nuclear Station Facility Operating Licenses NPF-9 and NPF-17, and to the Facility Operating Licenses NPF-35 and NPF-52 of the Catawba Nuclear Station; and that all the statements and matter set forth herein are true and correct to the best of his knowledge.


M. S. Tuckman, Senior Vice President

Subscribed and sworn to before me this 11th day of JAN, 1993


Notary Public

My Commission Expires:

JAN 22, 1996