

DUKE POWER COMPANY

P.O. BOX 33189
CHARLOTTE, N.C. 28242

HAL B. TUCKER
VICE PRESIDENT
NUCLEAR PRODUCTION

TELEPHONE
(704) 373-4531

October 28, 1985

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention: Ms. E. G. Adensam, Chief
Licensing Branch No. 4

Subject: McGuire Nuclear Station
Docket Nos. 50-369, -370

Dear Mr. Denton:

During a recent NRC inspection at McGuire, a concern was raised regarding the Auxiliary Building Filtered Ventilation (VA) system. The concern is the adequacy of the pre-operational test to measure flow velocity distribution. This test is required by ANS 510-1975, RG 1.52 and the McGuire FSAR.

Duke committed to perform the test provided acceptance criteria suitable to the McGuire design could be utilized and a plan of action identified in the event the acceptance criteria were not met. On October 23, 1985, NRC/RII issued a Confirmation of Action letter (Attachment 1) on this concern.

As committed, Duke conducted air flow distribution tests for the VA system of each McGuire unit. Attachment 2 to this letter provides the test procedures for Unit 1 (TT/1/A/9100/101A, TT/1/A/9100/101B). Similar test procedures have been prepared for Unit 2. The Acceptance Criteria for Supplemental Filter Testing (MCC-1211.00-00-0096) is provided in Attachment 3. Based on a telephone conference call on October 24, 1985, NRC confirmed that use of the acceptable criteria from ANSI/ASME N510-1980 was acceptable. NRC also stated that it does not agree with any other acceptance criteria.

The results of the testing conducted are summarized in Attachment 4. For Unit 1, the flow velocity distribution at the HEPA exit exceeds the acceptance criteria and the point to point flow velocity distribution at carbon inlet also exceeds the acceptance criteria. For Unit 2, the flow velocity distribution at the HEPA exit exceeds the acceptance criteria. Duke engineers have reviewed these results and prepared an engineering evaluation which is included in Attachment 4.

Based on these results and the analysis conducted, it is considered that both VA systems at McGuire are operable. Duke also considers that the existing carbon bed surveillance program is adequate. To provide additional assurance of the adequacy of the existing surveillance program, Duke will have carbon samples from the high velocity location, a random location, and from new

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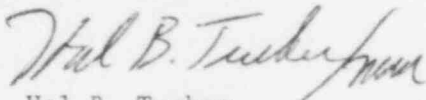
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Mr. Harold R. Denton, Director
October 28, 1985
Page 2

charcoal analyzed by a laboratory. Upon receipt of the results, Duke will evaluate what additional actions may be taken. The results are anticipated within two weeks.

If there are any questions regarding this, please advise through normal licensing channels.

Very truly yours,


Hal B. Tucker

RLG/hrp

Attachments

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

Mr. W. T. Orders
NRC Resident Inspector
McGuire Nuclear Station

Mr. Darl Hood, Project Manager
Division of Licensing
Office of Nuclear Regulatory Commission
Washington, D. C. 20555