



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

DEC 20 1985

Docket Nos.: 50-369  
and 50-370

Mr. H. B. Tucker, Vice President  
Nuclear Production Department  
Duke Power Company  
422 South Church Street  
Charlotte, North Carolina 28242

Dear Mr. Tucker:

Subject: REQUEST FOR ADDITIONAL INFORMATION REGARDING PROPOSED CHANGE TO  
MCGUIRE TECHNICAL SPECIFICATION 3/4.7.7 "AUXILIARY BUILDING  
FILTERED VENTILATION EXHAUST SYSTEM"

Your September 16, 1985, letter requests that the Action Statement to McGuire Technical Specification 3/4.7.7 "Auxiliary Building Filtered Ventilation Exhaust (VA) System" be modified to allow one system to be inoperable for 7 days. In support of this request, you note that, while there is only one VA system per unit, the total system can be considered redundant because: (1) each system has its air intake in the same general open areas of the Auxiliary Building; (2) each VA system, while not of equivalent capacity, is capable of maintaining the Auxiliary Building at a negative pressure; (3) following a LOCA on either reactor, both VA systems start automatically; and, (4) both VA systems have a diversity of power sources. You also indicate that these systems are not required to reduce the consequences of ECCS pump room leakage in order to meet 10 CFR 100 dose criteria following a design basis LOCA.

Our evaluation of the radiological consequences of a design basis LOCA includes an assumption of leakage associated with a gross failure of a passive component pursuant to Standard Review Plan 15.6.5 Appendix B. We find that at least one of the two VA Systems is necessary to mitigate the consequences of a LOCA. Therefore, we require additional data justifying that the VA System of lower flow capacity (43,400 cfm) can independently establish negative pressure for those areas normally serviced by the 54,282 cfm VA System.

A concomitant staff concern regards the capability of either VA system to provide adequate ventilation to all cubicles for cooling purposes. For the shared VA system, one VA train is required to provide cooling for LOCA loads in one unit, concurrent with shutdown loads without offsite power in the other unit. Under the proposed amendments, it would seem that all cubicles would experience reduced flows and to varying degrees. The staff requires additional data justifying that such reduced flows would not have a detrimental effect on equipment operation.

Mr. H. B. Tucker  
Duke Power Company

McGuire Nuclear Station

cc:

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Mr. H. B. Tucker

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Your reply to the above two items is requested within 30 days of this letter. Contact our Project Manager, Darl Hood, at (301) 492-8408 if you have any questions.

Sincerely,

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B. J. Youngblood, Director  
PWR Project Directorate #4  
Division of PWR Licensing-A

cc: See next page

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