Tennessee Valley Authority, Post Office Box 2000, Decatur, Alabama 35609

MAY 06 1992

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

Gentlemen:

In the Matter of	)	Docket Nos. 50-259
Tennessee Valley Authority	)	50-260
		50-296

BROWNS FERRY NUCLEAR PLANT (BFN) - HEATING, VENTILATION AND AIR CONDITIONING (HVAC) SEISMIC DESIGN CRITERIA - RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

Reference: TVA letter dated November 15, 1991, Heating, Ventilation and Air Conditioning (HVAC) Seismic Design Criteria

This letter provides notification that BFNs seismic design criteria for Class I HVAC duct and supports has been revised to address specific questions expressed during staff review.

BFN submitted seismic design criteria for ductwork and supports of Class I HVAC systems (BFN-50-C-7104 Revision 6) in the above reference as a post restart TVA Nuclear Performance Plan commitment. TVA met with the staff on January 23, 1992, at NRC headquarters in Rockville, Maryland to support technical review of the criteria. Subsequently, BFN and the technical reviewer(s) held several teleconferences to resolve emergent technical questions. As a result of the meeting and teleconferences mentioned above, TVA agreed to revise specific sections of the Class I HVAC seismic design criteria.

The enclosure to this letter provides a summary of NRC questions/requests and the corresponding revision to the Class I HVAC seismic design criteria. The revised criteria, BFN-50-C-7104, Revision 7, is available for NRC Staff review at the TVA Rockville, Maryland office.

A001

U. S. Nuclear Regulatory Commission

MAY 06 1992

There are no new commitments contained in this letter. If you have any questions, contact me at (205) 729-7566.

Sincerely,

R. R. Baron
Manager of Site Licensing

Enclosure
cc (Enclosure):
NRC Resident Inspector
Browns Ferry Nuclear Plant
Route 12, Box 637
Athens, Alabama 35611

Mr. Thierry M. Ross, Project Manager
U.S. Nuclear Regulatory Commission
One White Flint, North
11555 Rockville Pike
Rockville, Maryland 20852

Mr. B. A. Wilson, Project Chief
U.S. Nuclear Regulatory Commission
Region II
101 Marietta Street, NW, Suite 2900
Atlanta, Georgia 30323

ENCLOSURE

BROWNS FERRY NUCLEAR PLANT
HVAC SEISMIC DESIGN CRITERIA

1. NRC Question

Clarify section 1.3.1.3 of the Class I HVAC seismic design criteria (BFN-50-C-7104) with respect to the methodology for summation of two sets of seismic forces.

TVA Response

Sections 1.3.1.3 and 1.6 of the Class I HVAC seismic design criteria have been revised to more clearly explain the methodology to be used in the determination of the resultant of two sets of loading combinations.

2. NRC Question

Does the Class I HVAC seismic criteria adequately accommodate normal operating and accident load combinations (excluding earthquake loads)?

TVA Response

Paragraph 1 of Section 1.6 on page I-7, Section 1.7.1 on page I-8, and paragraph 1 of Section 1.8.1 on page I-9 of the Class I HVAC seismic design criteria have been revised to require evaluation for normal operating conditions and to specify allowables to be used in the evaluation.