

DCD-016

AUG 02 1982

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Docket Nos. 50-259
50-260
50-296

Mr. Hugh G. Parris
Manager of Power
Tennessee Valley Authority
500 A Chestnut Street, Tower II
Chattanooga, Tennessee 37401

Dear Mr. Parris:

SUBJECT: NUREG-0737, ITEM II.B.1 - REACTOR COOLANT SYSTEM VENTS

Re: Browns Ferry Nuclear Plant, Units 1, 2 and 3

We have completed our review of your submittals of December 23, 1980 and May 4, 1982 on the above subject as well as the BWR Owner's Group position on this issue. Based on the enclosed safety evaluation, we conclude that the issue of reactor coolant system venting capability is acceptably resolved for the Browns Ferry Nuclear Plant.

Sincerely,

Original signed by

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosure:
Safety Evaluation

cc w/enc1:
See next page

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OFFICE	DL:ORB#2	DL:ORB#2	DL:ORB#2				
SURNAME	SNorris	RJClark	DBVassallo				
DATE	7/30/82	7/30/82	7/30/82				

Mr. Hugh G. Parris

cc:

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SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING

RESOLUTION OF NUREG-0737, ITEM II.B.1

REACTOR COOLANT SYSTEM VENTS

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT, UNITS NOS. 1, 2 AND 3

DOCKET NOS. 50-259, 50-260 AND 50-296

1.0 Introduction

NUREG-0737, Item II.B.1, "Reactor Coolant System Vents" states that each licensee shall install reactor coolant system (RCS) vents to vent non-condensable gases which may inhibit core cooling during natural circulation. Each licensee had to submit the following information:

- 1) A description of the vent system design and an analysis for loss-of coolant accident initiated by a break in the vent pipe, and
- 2) The procedures to be followed by operators when using these vents.

By letters dated December 23, 1980 and May 4, 1982 The Tennessee Valley Authority (TVA or licensee) submitted information in response to Item II.B.1 and basically adopted the BWR Owner's Group position on this issue.

2.0 Evaluation

Our contractor, Lawrence Livermore Laboratory, reviewed the system design and recommended in its technical evaluation report (TER, copy enclosed) that the Browns Ferry RCS venting capability be found acceptable. We have reviewed the TER and agree with its recommendation.

The staff has reviewed Browns Ferry existing procedures and technical specifications for using existing core cooling systems (such as ADS, HPCI, RCIC) as RCS vents. We conclude that the existing procedures and systems used to cool the core will at the same time vent the RCS. Since venting is inherent and places no new demands on existing systems or procedures, we conclude that the current procedures and technical specifications are acceptable for RCS venting.

Therefore, we find the Browns Ferry venting capability acceptable. Based on the above, we have also concluded that the issue of RCS venting capability at the Browns Ferry Nuclear Plant is acceptably resolved.

Enclosure: TER