

June 6, 1984

Docket Nos. 50-259/260/296

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

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Dear Mr. Parris:

Subject: Implementation of NUREG-0619, BWR Feedwater and CRD Nozzle Cracking

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

We have completed our review of your submittals of July 1, 1983 and August 17, 1983 on the above subject based on NUREG-0619 and the recommendations of NEDE-21821A. The enclosed Safety Evaluation documents the staff's review.

We conclude that the newly-installed triple-sleeve spargers are effective in protecting the feedwater nozzles against high frequency thermal cycles and that rerouting of the reactor water cleanup system and installation of the feedwater low-flow controller is not required. We note that you have committed to complete installation of a leak detection system to monitor thermal-sleeve bypass leakage on Unit 3 during the current outage and on Unit 2 during the fall 1984 outage.

Your letter of August 17, 1983 proposed an alternative to the dye-penetrant examination interval of NUREG-0619 as discussed in the enclosed Safety Evaluation. We conclude that until more data are available on performance of the triple sleeve spargers, it is premature to approve your alternative at this time. Routine inspections of the feedwater nozzles and spargers should continue at the intervals specified in Table 2 of NUREG-0619.

Sincerely,

Original signed by/

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

Enclosure:
Safety Evaluation


cc w/enclosure:
See next page

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