

June 25, 1993

Docket No. 50-260

Dr. Mark O. Medford, Vice President  
Technical Support  
Tennessee Valley Authority  
3B Lookout Place  
1101 Market Street  
Chattanooga, Tennessee 37402-2801

Dear Dr. Medford:

SUBJECT: CORE SPRAY SYSTEM WELD OVERLAY REPAIR  
BROWNS FERRY NUCLEAR PLANT, UNIT 2 (TAC NO. M86252)

By letter dated April 22, 1993, the Tennessee Valley Authority (TVA) requested NRC approval of the weld overlay repair it performed for flaw indications in the Core Spray (CS) system piping weld identified as TCS-2-421. TVA discovered these indications while performing augmented examinations, as part of the Browns Ferry Inservice Inspection Program (ISI), during the Unit 2 Cycle 6 Refueling Outage. The General Electric Company was contracted by TVA to design and apply the subject weld overlay pursuant to ASME Section XI code requirements. Furthermore, it was TVA's intention to accomplish this repair in accordance with the guidelines of Generic Letter 88-01, "NRC Position On Intergranular Stress Corrosion Cracking (IGSCC) In BWR Austenitic Stainless Steel Piping."

The NRC staff has completed its review of the full structural weld overlay applied to weld TCS-2-421 as documented by the enclosed safety evaluation (SE). Based on the results of this SE, the staff concluded that TVA's weld repair conforms with the guidelines of GL 88-01 and is therefore acceptable.

Sincerely,

Original signed by  
Frederick J. Hebdon, Director  
Project Directorate II-4  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Enclosure:  
Safety Evaluation  
cc w/enclosure:  
See next page

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DATE:	6/25/93	6/25/93	6/25/93	6/25/93	

DOCUMENT NAME: BFN/CSWELD.BFN

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