

April 25, 2005

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Mail Stop: OWFN P1-35
Washington, D.C. 20555-0001

Gentlemen:

In the Matter of)	Docket No. 50-259
Tennessee Valley Authority)	

**BROWNS FERRY NUCLEAR PLANT (BFN) UNIT 1 - RESPONSE TO REQUEST FOR
ADDITIONAL INFORMATION FOR GENERIC LETTER 88-01, NRC POSITION ON
INTERGRANULAR STRESS CORROSION CRACKING IN BWR AUSTENITIC
STAINLESS STEEL PIPING**

This letter provides a supplemental response to Generic Letter (GL) 88-01 regarding Intergranular Stress Corrosion Cracking (IGSCC) in BWR austenitic stainless steel piping for BFN Unit 1. TVA's response to GL 88-01 was provided by Reference 1.

In response to an informal NRC request, TVA is providing the following additional information:

- (1) Regarding the use of weld overlays, no weld overlays were used on IGSCC susceptible piping on Unit 1;
- (2) The correction of a typographical error on the top of Page E1-5 in the Enclosure included with Reference 1. Technical Specification 222, regarding leak detection, was approved by NRC on August 26, 1987; and
- (3) An update to the weld list, which was provided as Enclosure 1, Table 1), showing the three Reactor Water Cleanup (RWCU) System and one Recirculation System welds that had been added to Unit 1 since the submittal of Reference 1. A listing of these new welds is enclosed.

In addition, please note that as discussed in the Reference 1, mechanical stress improvement of susceptible piping and replacement piping is being performed. Mechanical stress improvement will change the categorization of the affected welds. TVA does not intend to update this submittal to reflect these changes.

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There are no new regulatory commitments associated with this submittal. If you have any questions about this submittal, please contact me at (256) 729-2636.

I declare under penalty of perjury that the foregoing is true and correct. Executed on April 25th, 2005.

Sincerely,

Original signed by:

T. E. Abney
Manager of Licensing
and Industry Affairs

References:

1. TVA letter, T. Abney to NRC, dated July 21, 2004, "Browns Ferry Nuclear Plant (BFN) Unit 1 - Supplemental Response to Generic Letter 88-01, NRC Position on Intergranular Stress Corrosion Cracking in BWR Austenitic Stainless Steel Piping"

Enclosure

cc (Enclosure):

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Enclosure

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Enclosure

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ENCLOSURE 1
TENNESSEE VALLEY AUTHORITY
BROWN FERRY NUCLEAR (BFN) UNIT 1

SUPPLEMENTAL RESPONSE TO NRC GENERIC LETTER 88-01
NRC POSITION ON INTERGRANULAR STRESS CORROSION CRACKING
IN BWR AUSTENITIC STAINLESS STEEL PIPING

Three Reactor Water Cleanup (RWCU) System and one Recirculation System welds have been added to Unit 1 since the submittal of Reference 1. A listing of these new welds is provided below.

ADDITIONAL WELDS WITHIN THE SCOPE OF GENERIC LETTER 88-01 / BWRVIP-75								
SYSTEM	WELD ID	SIZE	CONFIGURATION	ISI STATUS	MITIGATION	CAT	DISPOSITION	NOTES
RWR	RWR-1-001-047A	12"	Pipe-to-Pipe	PRESERVICE	MSIP	A	NEW WELD	
RWCU	RWCU-1-005-028	4"	Pipe-to-Elbow	PRESERVICE	MSIP	G	NEW WELD	
RWCU	RWCU-1-005-005	4"	Elbow-to-Valve	PRESERVICE	MSIP	G	NEW WELD	
RWCU	RWCU-1-005-006	4"	Valve-to-Valve	PRESERVICE	NONE	G	NEW WELD	