



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

June 11, 2003

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

Gentlemen:

In the Matter of)
Tennessee Valley Authority)

Docket No. 50-259

**BROWNS FERRY NUCLEAR PLANT (BFN) - UNIT 1 - RESPONSE TO REQUEST
FOR SUPPLEMENTAL INFORMATION ON THE REGULATORY FRAMEWORK FOR THE
RESTART OF UNIT 1**

- References:
1. TVA letter, T.E. Abney to NRC, dated December 13, 2002, "Browns Ferry Nuclear Plant (BFN) - Unit 1 - Regulatory Framework for the Restart of Unit 1.
 2. TVA letter, T.E. Abney to NRC, dated February 28, 2003, "Browns Ferry Nuclear Plant (BFN) - Unit 1 - Regulatory Framework for the Restart of Unit 1.

This letter provides additional information requested by the NRC staff during the review of the proposed regulatory framework for the restart of Browns Ferry Unit 1.

In References 1 and 2, TVA proposed a regulatory framework for the restart of Unit 1. On April 24, 2003, TVA representatives met with the NRC Staff in Rockville, Maryland, to facilitate NRC staff's review and approval of the regulatory framework. During the meeting, the NRC requested the following information:

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U.S. Nuclear Regulatory Commission
Page 2
June 11, 2003

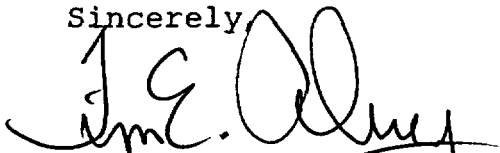
1. The type of American Society of Mechanical Engineers (ASME) Code components that are being replaced and the codes being used for procurement and installation; and
2. How TVA intends to satisfy the requirements for vessel weld inspections.

In response:

1. A table showing the type of ASME Code components that are planned to be replaced and the codes to be used for procurement and installation is enclosed; and
2. TVA will examine the Reactor Pressure Vessel (RPV) closure head welds and RPV shell longitudinal welds. The examinations will be performed in compliance with the industry Performance Demonstration Initiative (PDI) and ASME Section XI 1995 Edition with Addenda through 1996. TVA will document accessibility limitations and evaluate alternate examination techniques. The supporting documentation will follow the Boiling Water Reactor Vessel Internals Project (BWRVIP) -05 guidance. TVA will request relief from examination for the RPV shell circumferential welds.

If you have questions regarding this issue, please call me at (729) 256-2636.

Sincerely,

A handwritten signature in black ink, appearing to read "T. E. Abney", written over a large, loopy circular flourish.

T. E. Abney
Manager of Licensing
and Industry Affairs

Enclosure

U.S. Nuclear Regulatory Commission
Page 3
June 11, 2003

cc (Enclosure)

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**TYPE OF ASME CODE COMPONENTS THAT ARE BEING REPLACED ON UNIT 1
AND THE CODES BEING USED FOR PROCUREMENT AND INSTALLATION**

PLANT SYSTEM	TYPE OF COMPONENT	REPLACEMENT COMPONENT PURCHASE CODE	REPLACEMENT COMPONENT INSTALLATION CODE	TYPICAL EXAMPLE
Core Spray (Sys 75)	Pipe and Fittings Valves	Newly purchased materials are being purchased to ASME Section III, Class 1 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition. New materials being utilized from TVA's existing inventory were typically purchased in the 1980's and were purchased to varying ASME Code Editions depending on the year of purchase.	The installation of the piping systems will be to the USAS B31.1.0 - 1967 Edition or later as allowed by ASME Section XI. ASME Section XI, 1995 Edition w/1996 Addenda, is utilized for the Repair/ Replacement Program.	The safe ends are being newly purchased to the ASME Section III, Class 1 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition.
Equipment Drains, Drywell Sump (Sys 77)	Pipe and Fittings Valves Cooling Coils	Newly purchased materials are being purchased to ASME Section III, Class 3 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition. The replacement cooling coils are being purchased to the requirements of ASME Section VIII.	Same as above.	The replacement cooling coils are being purchased to ASME Section VIII.
Emergency Equipment Cooling Water (Sys 67)	Pipe and Fittings Valves	Newly purchased materials are being purchased to ASME Section III, Class 3 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition.	Same as above.	-
Reactor Water Recirculation (Sys 68)	Pipe and Fittings Valves Flow Element	Newly purchased materials are being purchased to ASME Section III, Class 1 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition. New materials being utilized from TVA's existing inventory were typically purchased in the 1980's and were purchased to varying ASME Code Editions depending on the year of purchase.	Same as above.	Existing large MOVs are being refurbished using materials purchased to ASME Section III, Class 1 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition.

PLANT SYSTEM	TYPE OF COMPONENT	REPLACEMENT COMPONENT PURCHASE CODE	REPLACEMENT COMPONENT INSTALLATION CODE	TYPICAL EXAMPLE
Reactor Building Component Cooling Water (Sys70)	Pipe and Fittings Valves Drywell Cooling Coils	Newly purchased materials are being purchased to ASME Section III, Class 2 & 3 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition. The replacement cooling coils are being purchased to the requirements of ASME Section VIII.	Same as above.	The replaced piping and fittings are all new materials being purchased to ASME Section III, Class 2 & 3 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition.
Residual Heat Removal (Sys 74)	Pipe and Fittings Valves	Newly purchased materials are being purchased to ASME Section III, Class 1 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition. New materials being utilized from TVA's existing inventory were typically purchased in the 1980's and were purchased to varying ASME Code Editions depending on the year of purchase.	Same as above.	A single 20" 90° Elbow is being replaced with materials purchased to ASME Section III, Class 1 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition. Other piping utilized for the RHR system is inventory from TVA inventory.
Residual Heat Removal Service Water (Sys 23)	Pipe and Fittings Valves	Newly purchased materials are being purchased to ASME Section III, Class 3 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition.	Same as above.	-
Reactor Water Cleanup (Sys 69)	Pipe and Fittings Valves Penetrations	Newly purchased materials are being purchased to ASME Section III, Class 1 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition. New materials being utilized from TVA's existing inventory were typically purchased in the 1980's and were purchased to varying ASME Code Editions depending on the year of purchase.	Same as above.	The penetration assembly is being taken from TVA inventory which was purchased to ASME Section III, 1980 Edition thru 82 Addenda.

PLANT SYSTEM	TYPE OF COMPONENT	REPLACEMENT COMPONENT PURCHASE CODE	REPLACEMENT COMPONENT INSTALLATION CODE	TYPICAL EXAMPLE
RCIC (Sys 71) HPCI (Sys 73)	Valves	Newly purchased materials are being purchased to ASME Section III, Class 1 and 2 (equivalent), 1995 Edition w/ Summer 1996 Addenda reconciled to 1986 Edition.	Same as above.	-