



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**  
WASHINGTON, D.C. 20555-0001

October 6, 2015

Mr. Joseph W. Shea  
Vice President, Nuclear Licensing  
Tennessee Valley Authority  
1101 Market Street, LP 3R-C  
Chattanooga, TN 37402-2801

**SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNIT 1 – REQUEST FOR ADDITIONAL INFORMATION RELATED TO RELIEF REQUEST FOR THE USE OF ALTERNATIVES TO CERTAIN AMERICAN SOCIETY OF MECHANICAL ENGINEERS, BOILER AND PRESSURE VESSEL CODE, SECTION XI REQUIREMENTS (CAC NO. MF6401) (CNL-15-125)**

Dear Mr. Shea:

By application dated June 26, 2015 (Agencywide Documents Access and Management System Accession No. ML15181A448), Tennessee Valley Authority submitted a license relief request for the Browns Ferry Nuclear Plant, Unit 1. The proposed relief requests the use of alternatives to certain American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI requirements.

The U.S. Nuclear Regulatory Commission (NRC) staff is reviewing your submittal and has determined that additional information is required to complete the review. The specific information requested is addressed in the enclosure to this letter. A response to the enclosed request for additional information is requested to be provided by October 30, 2015.

The NRC staff considers that timely responses to requests for additional information help ensure sufficient time is available for staff review and contribute toward the NRC's goal of

J. Shea

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efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-1447 or [Farideh.Saba@nrc.gov](mailto:Farideh.Saba@nrc.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "Farideh E. Saba" followed by "(for)" in parentheses.

Farideh E. Saba, Senior Project Manager  
Plant Licensing II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-259

Enclosure:  
Request for Additional Information

cc w/enclosure: Distribution via Listserv

REQUEST FOR ADDITIONAL INFORMATION

RELIEF REQUEST FOR THE USE OF ALTERNATIVES TO CERTAIN ASME B&PV CODE,

SECTION XI, REQUIREMENTS

TENNESSEE VALLEY AUTHORITY

BROWNS FERRY NUCLEAR PLANT, UNIT 1

DOCKET NO. 50-259

By letter dated June 26, 2015 (Agencywide Documents Access and Management System Accession No. ML15181A448), Tennessee Valley Authority submitted a relief request for the Browns Ferry Nuclear Plant, Unit 1. The proposed relief requests the use of alternatives to certain American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI requirements.

The U.S. Nuclear Regulatory Commission (NRC) staff has determined that the additional information below is needed to complete its review of the application.

RAI-1

The fluence value used in the June 26, 2015, request is based on the December 18, 2013, license amendment request.

NRC staff noted that the fluence at the clad-to-base metal interface in Table 3 of the June 26, 2015, submittal does not match that from Table B-5 of the December 18, 2013, license amendment request.

Clarify the above inconsistency and revise the June 26, 2015, letter (as needed) to accurately reflect the fluence on the beltline, circumferential (girth) weld.

Enclosure

J. Shea

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efficient and effective use of staff resources. If circumstances result in the need to revise the requested response date, please contact me at (301) 415-1447 or [Farideh.Saba@nrc.gov](mailto:Farideh.Saba@nrc.gov).

Sincerely,

**/RA CPfefferkorn for/**

Farideh E. Saba, Senior Project Manager  
Plant Licensing II-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-259

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JHauser, NRR

CPfefferkorn, NRR

**ADAMS Accession No.: ML15274A574**

**\*by email**

OFFICE	NRR/DORL/LPL3-2/PM	NRR/DORL/LPL2-2/PM	NRR/DORL/LPL2-2/LA
NAME	JHauser	FSaba (CPfefferkorn for)	BClayton (LRonewicz for)
DATE	10/ 5 /2015	10/5/2015	10/2/2015
OFFICE	NRR/DE/EVIB/BC*	NRR/DORL/LPL2-2/BC	NRR/DORL/LPL2-2/PM
NAME	JMcHale	SHelton (AHon for)	FSaba (CPfefferkorn for)
DATE	09/30/2015	10/6/2015	10/6/2015

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