



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

August 16, 2013

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

SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNIT NO. 1 - INDIVIDUAL NOTICE OF CONSIDERATION OF AMENDMENT TO FACILITY OPERATING LICENSE, PROPOSED NO SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION, AND OPPORTUNITY FOR HEARING (**EXIGENT CIRCUMSTANCES**) (TAC NO. MF2564)

Dear Mr. Shea:

The U.S. Nuclear Regulatory Commission has forwarded the enclosed "Notice of Consideration of Issuance of Amendment to Renewed Facility Operating License, Proposed No Significant Hazards Consideration Determination, and Opportunity for a Hearing," to the Office of the Federal Register for publication.

This notice relates to your application dated August 14, 2013, in which you requested an administrative change to delete the Notes that cover the Reactor Coolant System (RCS) Pressure and Temperature Limits curves on Technical Specification 3.4.9, "RCS Pressure and Temperature (P/T) Limits," Figures 3.4.9-1 and 3.4.9-2 that are applicable from 12 Effective Full Power Years (EFPY) to 16 EFPY and allows the usage of the figures up to 16 EFPY. The current notes state, "Do Not Use This Figure. This curve applies to operations > 12 EFPY. For current operation, use previous curve, which is valid up to 12 EFPY."

If you have any questions, please contact me at 301-415-1564.

Sincerely,

A handwritten signature in black ink that reads "Siva P. Lingam".

Siva P. Lingam, Project Manager  
Plant Licensing Branch 2-2  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket No. 50-259

Enclosure:  
Notice of Consideration

cc w/encl: Distribution via Listserv

**NUCLEAR REGULATORY COMMISSION**

**Docket No. 50-259; NRC-2013-XXXX**

**Tennessee Valley Authority**

**Browns Ferry Nuclear Plant, Unit No. 1**

**Applications and Amendments to Facility Operating Licenses Involving Proposed  
No Significant Hazards Considerations**

**AGENCY:** Nuclear Regulatory Commission.

**ACTION:** License amendment request; opportunity to comment, request a hearing and petition for leave to intervene.

**DATES:** Comments must be filed by **[INSERT DATE: 14 DAYS FROM DATE OF PUBLICATION OF THIS *FEDERAL REGISTER* NOTICE]**. A request for a hearing must be filed by **[INSERT DATE: 60 DAYS FROM DATE OF PUBLICATION]**.

**ADDRESSES:** You may access information and comment submissions related to this document, which the NRC possesses and are publicly available, by searching on <http://www.regulations.gov> under Docket ID NRC-2013-XXXX. You may submit comments by any of the following methods:

- **Federal rulemaking Web site:** Go to <http://www.regulations.gov> and search for Docket ID **NRC-2013-XXXX**. Address questions about NRC dockets to Carol Gallagher; telephone: 301-287-3422; e-mail: [Carol.Gallagher@nrc.gov](mailto:Carol.Gallagher@nrc.gov).

- **Mail comments to:** Cindy Bladey, Chief, Rules, Announcements, and Directives Branch (RADB), Office of Administration, Mail Stop: 3WFN-06-A44MP, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001.

For additional direction on accessing information and submitting comments, see “Accessing Information and Submitting Comments” in the **SUPPLEMENTARY INFORMATION** section of this document.

**FOR FURTHER INFORMATION CONTACT:** Siva P. Lingam, Project Manager, Plant Licensing Branch 2-2, Division of Operating Reactor Licensing, Office of Nuclear Reactor Regulation, U.S. Nuclear Regulatory Commission, Washington, DC 20555. Telephone: 301-415-1564; e-mail: [siva.lingam@nrc.gov](mailto:siva.lingam@nrc.gov).

**SUPPLEMENTARY INFORMATION:**

**I. Accessing Information and Submitting Comments**

*A. Accessing Information*

Please refer to Docket ID NRC-2013-XXXX when contacting the NRC about the availability of information regarding this document. You may access information related to this document, which the NRC possesses and are publicly available, by any of the following methods:

- **Federal Rulemaking Web Site:** Go to <http://www.regulations.gov> and search for Docket ID NRC-2013-XXXX.

- **NRC's Agencywide Documents Access and Management System (ADAMS):**

You may access publicly available documents online in the NRC Library at

<http://www.nrc.gov/reading-rm/adams.html>. To begin the search, select "[ADAMS Public Documents](#)" and then select "[Begin Web-based ADAMS Search.](#)" For problems with ADAMS, please contact the NRC's Public Document Room (PDR) reference staff at 1-800-397-4209, 301-415-4737, or by e-mail to [pdr.resource@nrc.gov](mailto:pdr.resource@nrc.gov). The ADAMS accession number for each document referenced in this notice (if that document is available in ADAMS) is provided the first time that a document is referenced. The application for amendment, dated August 14, 2013, is available electronically under ADAMS Accession No. **ML13227A103**.

- **NRC's PDR:** You may examine and purchase copies of public documents at the NRC's PDR, Room O1-F21, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852.

*B. Submitting Comments*

Please include Docket ID NRC-2013-XXXX in the subject line of your comment submission, in order to ensure that the NRC is able to make your comment submission available to the public in this docket.

The NRC cautions you not to include identifying or contact information in comment submissions that you do not want to be publicly disclosed. The NRC posts all comment submissions at <http://www.regulations.gov> as well as enters the comment submissions into ADAMS. The NRC does not edit comment submissions to remove identifying or contact information.

If you are requesting or aggregating comments from other persons for submission to the NRC, then you should inform those persons not to include identifying or contact information in

their comment submissions that they do not want to be publicly disclosed. Your request should state that the NRC will not edit comment submissions to remove such information before making the comment submissions available to the public or entering the comment submissions into ADAMS.

## **II. Introduction**

The U.S. Nuclear Regulatory Commission (NRC or the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-33, issued to Tennessee Valley Authority (TVA or the licensee), for operation of the Browns Ferry Nuclear Plant (BFN) Unit 1 located in Alabama, Limestone County.

The proposed amendment would delete the Notes that cover the Reactor Coolant System (RCS) Pressure and Temperature (P/T) Limits curves on Technical Specification (TS) 3.4.9, "RCS Pressure and Temperatures (P/T) Limits," Figures 3.4.9-1 and 3.4.9-2 that are applicable from 12 Effective Full Power Years (EFPY) to 16 EFPY and allows usage of the figures up to 16 EFPY. The current Notes state, "Do Not Use This Figure. This curve applies to operations > 12 EFPY. For current operation, use previous curve, which is valid up to 12 EFPY."

There are two sets of P/T curves in the BFN Unit 1 TS 3.4.9: one set for operations up to 12 EFPY and another set for operations greater than (>) 12 EFPY and less than or equal to ( $\leq$ ) 16 EFPY. However, the second set of P/T curves (for operations > 12 EFPY and  $\leq$  16 EFPY) includes Notes that state that these curves cannot be used, and to use the first set of P/T curves for operations up to 12 EFPY. Therefore, the second set of P/T curves that are applicable when operations are > 12 EFPY cannot be used until the Notes are removed. BFN Unit 1 operation is expected to reach 12 EFPY on September 20, 2013. Therefore, to utilize the correct and previously approved P/T Limits curves once BFN Unit 1 operation has reached

12 EFPY, this Note must be removed from the  $> 12$  EFPY and  $\leq 16$  EFPY TS Figures 3.4.9-1 and 3.4.9-2. Once 12 EFPY is achieved, BFN Unit 1 will not be allowed to continue operation in Mode 1 (i.e., critical operation) and a unit shutdown will be required unless the Notes are removed. TVA determined that a license amendment was necessary to remove the Note from the figures. TVA further concluded that in the absence of an amendment to remove the Notes, a shutdown of BFN Unit 1 as early as September 20, 2013, cannot be avoided.

Before issuance of the proposed license amendment, the Commission will have made findings required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's regulations.

Pursuant to Title 10 of the *Code of Federal Regulations* (10 CFR) 50.91(a)(6) for amendments to be granted under exigent circumstances, the NRC staff must determine that the amendment request involves no significant hazards consideration. Under the Commission's regulations in 10 CFR 50.92, this means that operation of the facility in accordance with the proposed amendment would not (1) involve a significant increase in the probability or consequences of an accident previously evaluated; or (2) create the possibility of a new or different kind of accident from any accident previously evaluated; or (3) involve a significant reduction in a margin of safety. As required by 10 CFR 50.91(a), the licensee has provided its analysis of the issue of no significant hazards consideration, which is presented below:

1. Does the proposed amendment involve a significant increase in the probability or consequences of any accident previously evaluated?

Response: No.

The proposed administrative change will allow a set of TS figures, contained in a previous NRC-approved license amendment, to be used because the reactor fluence will soon reach the point at which the figures are applicable. The proposed administrative change does not revise any previously approved P/T limitations on plant operation. The change is an administrative change

removing Notes that were placed on the approved figures to preclude using the figures until the fluence reached the applicable values. Because the NRC has previously approved the figures, the proposed amendment does not involve a significant increase in the probability or consequences of an accident previously evaluated.

2. Does the proposed amendment create the possibility of a new or different kind of accident from any accident previously evaluated?

Response: No

The proposed administrative change will allow a set of TS figures, contained in a previous NRC-approved license amendment, to be used because the reactor fluence will soon reach the point at which the figures are applicable. The proposed administrative change does not revise any previously approved P/T limitations on plant operation. The change is an administrative change removing Notes that were placed on the approved figures to preclude using the figures until the fluence reached the applicable value.

Therefore, the proposed amendment will not create the possibility of a new or different kind of accident from any accident previously evaluated.

3. Does the proposed amendment involve a significant reduction in a margin of safety?

Response: No.

The proposed administrative change will allow a set of TS figures, contained in a previous NRC-approved license amendment, to be used because the reactor fluence will soon reach the point at which the figures are applicable. The proposed administrative change does not revise any previously approved P/T limitations on plant operation. The change is an administrative change removing Notes that were placed on the approved figures to preclude using the figures until the fluence reached the applicable value. In addition, the margin of safety change as a result of using these new figures was previously evaluated when the figures were originally approved. As such, deleting the Notes has no effect on a margin of safety.

Therefore, the proposed changes do not involve a significant reduction in a margin of safety.

The NRC staff has reviewed the licensee's analysis and, based on this review, it appears that the three standards of 10 CFR 50.92(c) are satisfied. Therefore, the NRC staff proposes to determine that the amendment request involves no significant hazards consideration.

The Commission is seeking public comments on this proposed determination. Any comments received within 14 days after the date of publication of this notice will be considered in making any final determination.

Normally, the Commission will not issue the amendment until the expiration of the 14-day notice period. However, should circumstances change during the notice period, such that failure to act in a timely way would result, for example, in derating or shutdown of the facility, the Commission may issue the license amendment before the expiration of the 14-day notice period, provided that its final determination is that the amendment involves no significant hazards consideration. The final determination will consider all public and State comments received. Should the Commission take this action, it will publish in the *Federal Register* a notice of issuance. The Commission expects that the need to take this action will occur very infrequently.

### **III. Opportunity to Request a Hearing; Petition for Leave to Intervene**

Within 60 days of this notice, any person(s) whose interest may be affected may file a request for hearing/petition to intervene. As required by 10 CFR 2.309, a petition for leave to intervene shall set forth with particularity the interest of the requestor/petitioner in the proceeding, and how that interest may be affected by the results of the proceeding. The petition should specifically explain the reasons why intervention should be permitted with particular reference to the following general requirements: (1) the name, address, and telephone number of the requestor or petitioner; (2) the nature of the requestor's/petitioner's right under the Act to be made a party to the proceeding; (3) the nature and extent of the requestor's/petitioner's property, financial, or other interest in the proceeding; and (4) the possible effect of any decision or order which may be entered in the proceeding on the requestor's/petitioner's interest. The



petition must also identify the specific contentions which the requestor/petitioner seeks to have litigated at the proceeding.

Each contention must consist of a specific statement of the issue of law or fact to be raised or controverted. In addition, the requestor/petitioner shall provide a brief explanation of the bases for the contention and a concise statement of the alleged facts or expert opinion which support the contention and on which the petitioner intends to rely in proving the contention at the hearing. The requestor/petitioner must also provide references to those specific sources and documents of which the requestor/petitioner is aware and on which the requestor/petitioner intends to rely to establish those facts or expert opinion. The requestor/petitioner must provide sufficient information to show that a genuine dispute exists with the applicant on a material issue of law or fact. Contentions shall be limited to matters within the scope of the amendment under consideration. The contention must be one which, if proven, would entitle the requestor/petitioner to relief. A requestor/petitioner who fails to satisfy these requirements with respect to at least one contention will not be permitted to participate as a party.

Those permitted to intervene become parties to the proceeding, subject to any limitations in the order granting leave to intervene, and have the opportunity to participate fully in the conduct of the hearing.

If a hearing is requested, the Commission will make a final determination on the issue of no significant hazards consideration. The final determination will serve to decide when the hearing is held. If the final determination is that the amendment request involves no significant hazards consideration, the Commission may issue the amendment and make it immediately effective, notwithstanding the request for a hearing. Any hearing held would take place after issuance of the amendment. If the final determination is that the amendment request involves a

significant hazards consideration, then any hearing held would take place before the issuance of any amendment.

#### **IV. Electronic Submissions (E-Filing)**

All documents filed in NRC adjudicatory proceedings, including a request for hearing, a petition for leave to intervene, any motion or other document filed in the proceeding prior to the submission of a request for hearing or petition to intervene, and documents filed by interested governmental entities participating under 10 CFR 2.315(c), must be filed in accordance with the NRC E-Filing rule (72 FR 49139, August 28, 2007). The E-Filing process requires participants to submit and serve all adjudicatory documents over the internet, or in some cases to mail copies on electronic storage media. Participants may not submit paper copies of their filings unless they seek an exemption in accordance with the procedures described below.

To comply with the procedural requirements of E-Filing, at least 10 days prior to the filing deadline, the participant should contact the Office of the Secretary by e-mail at [hearing.docket@nrc.gov](mailto:hearing.docket@nrc.gov), or by telephone at 301-415-1677, to request (1) a digital identification (ID) certificate, which allows the participant (or its counsel or representative) to digitally sign documents and access the E-Submittal server for any proceeding in which it is participating; and (2) advise the Secretary that the participant will be submitting a request or petition for hearing (even in instances in which the participant, or its counsel or representative, already holds an NRC-issued digital ID certificate). Based upon this information, the Secretary will establish an electronic docket for the hearing in this proceeding if the Secretary has not already established an electronic docket.

Information about applying for a digital ID certificate is available on the NRC's public Web site at <http://www.nrc.gov/site-help/e-submittals/apply-certificates.html>. System requirements for accessing the E-Submittal server are detailed in the NRC's "Guidance for

Electronic Submission," which is available on the NRC's public Web site at <http://www.nrc.gov/site-help/e-submittals.html>. Participants may attempt to use other software not listed on the Web site, but should note that the NRC's E-Filing system does not support unlisted software, and the NRC Meta System Help Desk will not be able to offer assistance in using unlisted software.

If a participant is electronically submitting a document to the NRC in accordance with the E-Filing rule, the participant must file the document using the NRC's online, Web-based submission form. In order to serve documents through the Electronic Information Exchange System, users will be required to install a Web browser plug-in from the NRC's Web site. Further information on the Web-based submission form, including the installation of the Web browser plug-in, is available on the NRC's public Web site at <http://www.nrc.gov/site-help/e-submittals.html>.

Once a participant has obtained a digital ID certificate and a docket has been created, the participant can then submit a request for hearing or petition for leave to intervene. Submissions should be in Portable Document Format (PDF) in accordance with NRC guidance available on the NRC's public Web site at <http://www.nrc.gov/site-help/e-submittals.html>. A filing is considered complete at the time the documents are submitted through the NRC's E-Filing system. To be timely, an electronic filing must be submitted to the E-Filing system no later than 11:59 p.m. Eastern Time on the due date. Upon receipt of a transmission, the E-Filing system time-stamps the document and sends the submitter an e-mail notice confirming receipt of the document. The E-Filing system also distributes an e-mail notice that provides access to the document to the NRC's Office of the General Counsel and any others who have advised the Office of the Secretary that they wish to participate in the proceeding, so that the filer need not serve the documents on those participants separately. Therefore, applicants and

other participants (or their counsel or representative) must apply for and receive a digital ID certificate before a hearing request/petition to intervene is filed so that they can obtain access to the document via the E-Filing system.

A person filing electronically using the NRC's adjudicatory E-Filing system may seek assistance by contacting the NRC Meta System Help Desk through the "Contact Us" link located on the NRC's public Web site at <http://www.nrc.gov/site-help/e-submittals.html>, by e-mail to [MSHD.Resource@nrc.gov](mailto:MSHD.Resource@nrc.gov), or by a toll-free call to 1-866-672-7640. The NRC Meta System Help Desk is available between 8 a.m. and 8 p.m., Eastern Time, Monday through Friday, excluding government holidays.

Participants who believe that they have a good cause for not submitting documents electronically must file an exemption request, in accordance with 10 CFR 2.302(g), with their initial paper filing requesting authorization to continue to submit documents in paper format. Such filings must be submitted by: (1) first class mail addressed to the Office of the Secretary of the Commission, U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, Attention: Rulemaking and Adjudications Staff; or (2) courier, express mail, or expedited delivery service to the Office of the Secretary, Sixteenth Floor, One White Flint North, 11555 Rockville Pike, Rockville, Maryland 20852, Attention: Rulemaking and Adjudications Staff. Participants filing a document in this manner are responsible for serving the document on all other participants. Filing is considered complete by first-class mail as of the time of deposit in the mail, or by courier, express mail, or expedited delivery service upon depositing the document with the provider of the service. A presiding officer, having granted an exemption request from using E-Filing, may require a participant or party to use E-Filing if the presiding officer subsequently determines that the reason for granting the exemption from use of E-Filing no longer exists.

Documents submitted in adjudicatory proceedings will appear in NRC's electronic hearing docket which is available to the public at <http://ehd1.nrc.gov/ehd/>, unless excluded pursuant to an order of the Commission, or the presiding officer. Participants are requested not to include personal privacy information, such as social security numbers, home addresses, or home phone numbers in their filings, unless an NRC regulation or other law requires submission of such information. However, a request to intervene will require including information on local residence in order to demonstrate a proximity assertion of interest in the proceeding. With respect to copyrighted works, except for limited excerpts that serve the purpose of the adjudicatory filings and would constitute a Fair Use application, participants are requested not to include copyrighted materials in their submission.

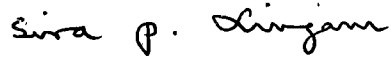
Petitions for leave to intervene must be filed no later than 30 days from **[INSERT DATE OF PUBLICATION]**. Requests for hearing, petitions for leave to intervene, and motions for leave to file new or amended contentions that are filed after the 60-day deadline will not be entertained absent a determination by the presiding officer that the filing demonstrates good cause by satisfying the following three factors in 10 CFR 2.309(c)(1): (i) the information upon which the filing is based was not previously available; (ii) the information upon which the filing is based is materially different from information previously available; and (iii) the filing has been submitted in a timely fashion based on the availability of the subsequent information.

For further details with respect to this exigent license application, see the application for amendment dated August 14, 2013.

**Attorney for licensee:** General Counsel, Tennessee Valley Authority, 400 West Summit Hill Drive, ET 11A, Knoxville, Tennessee 37902.

Dated at Rockville, Maryland, this 16<sup>th</sup> day of August 2013.

For the Nuclear Regulatory Commission.

A handwritten signature in cursive script that reads "Siva P. Lingam".

Siva P. Lingam, Project Manager,  
Plant Licensing Branch 2-2,  
Division of Operating Reactor Licensing,  
Office of Nuclear Reactor Regulation.

August 16, 2013

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

**SUBJECT: BROWNS FERRY NUCLEAR PLANT, UNIT NO. 1 - INDIVIDUAL NOTICE OF CONSIDERATION OF AMENDMENT TO FACILITY OPERATING LICENSE, PROPOSED NO SIGNIFICANT HAZARDS CONSIDERATION DETERMINATION, AND OPPORTUNITY FOR HEARING (EXIGENT CIRCUMSTANCES) (TAC NO. MF2564)**

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Sincerely,  
**/RA/**

Siva P. Lingam, Project Manager  
Plant Licensing Branch 2-2  
Division of Operating Reactor Licensing  
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Docket No. 50-259

Enclosure:  
Notice of Consideration

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S. Lingam, NRR

**ADAMS Accession Nos.: LTR ML13227A253**

**FRN ML13227A255**

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