

## NRR-PMDAPEm Resource

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**From:** Saba, Farideh  
**Sent:** Tuesday, March 18, 2014 8:47 AM  
**To:** 'Williams, Gordon Robert (grwilliams1@tva.gov)'  
**Subject:** MF3340 BROWNS FERRY 2 - Review of 10 CFR 50 Appendix H Status Update - RAIs  
**Attachments:** BFN-2 App. H Request RAIs.docx

**Importance:** High

Gordon,

The attached document contains the NRC's RAIs associated with review of 10 CFR 50 Appendix H Status Update for Browns Ferry Unit 2 (TAC No. MF3340). Per your email dated 03/13/14, a conference call is not necessary. As we agreed, please provide TVA responses to these RAIs by April 16, 2014.

Thanks,

Farideh  
Farideh E. Saba, P.E.  
Senior Project Manager  
NRC/ADRO/NRR/DORL  
301-415-1447  
Mail Stop O-8G9A  
[Farideh.Saba@NRC.GOV](mailto:Farideh.Saba@NRC.GOV)

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**Subject:** MF3340 BROWNS FERRY 2 - Review of 10 CFR 50 Appendix H Status  
Update - RAls  
**Sent Date:** 3/18/2014 8:46:47 AM  
**Received Date:** 3/18/2014 8:46:00 AM  
**From:** Saba, Farideh

**Created By:** Farideh.Saba@nrc.gov

**Recipients:**  
""Williams, Gordon Robert (grwilliams1@tva.gov)"" <grwilliams1@tva.gov>  
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REQUEST FOR ADDITIONAL INFORMATION REGARDING

TENNESSEE VALLEY AUTHORITY'S

10 CFR 50 APPENDIX H STATUS UPDATE

FOR BROWNS FERRY NUCLEAR PLANT, UNIT 2

DOCKET NO. 50-260 (TAC NO. MF3340)

The Nuclear Regulatory Commission (NRC) staff has reviewed the information provided by Tennessee Valley Authority (TVA, the licensee) for Browns Ferry Nuclear Plant, Unit 2 (BFN-2) in its letter dated December 27, 2013 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML14008A108), and has determined that additional information is necessary to complete the review of TVA's Status Update for BFN-2 for Title 10 of the *Code of Federal Regulations* (10 CFR), Part 50, "Domestic Licensing of Production and Utilization Facilities," Appendix H, "Reactor Vessel Material Surveillance Program Requirements" (10 CFR 50 App. H).

Based on the staff's review of TVA's letter, please provide responses that address the following requests:

**RAI 1**

TVA's letter states that the pressure-temperature (P-T) limits curves contained in the BFN-2, Technical Specifications (TS), Figures 3.4.9-1 and 3.4.9-2 are non-conservative. Provide the following information:

- a. Provide the details of the evaluation performed to demonstrate that the BFN-2 P-T limits curves are non-conservative.
- b. Provide an evaluation of the amount of non-conservatism in the BFN-2 P-T limits curves.

**RAI 2**

TVA's letter states that the non-conservative P-T limits curves are being treated as a degraded condition and that TVA has established compensatory measures to ensure that the BFN-2 reactor vessel is maintained within acceptable limits. Provide the following information:

- a. Provide the acceptable limits for the BFN-2 reactor vessel that are being referred to and their bases.
- b. Provide the details and bases of the compensatory measures established to ensure that the limits provided in response to Item 2a are maintained.
- c. Provide an assessment demonstrating the adequacy of the compensatory measures implemented by TVA for BFN-2 until such time as a TVA License Amendment Request can be submitted to and approved by the NRC.

ENCLOSURE