

## **NRR-DMPSPEm Resource**

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**From:** Saba, Farideh  
**Sent:** Monday, April 15, 2019 11:08 AM  
**To:** Wells, Russell Douglas; Williams, Gordon Robert (grwilliams1@tva.gov)  
**Cc:** Schaaf, Robert; Hon, Andrew; Shoop, Undine; Goel, Vijay  
**Subject:** Watts Bar TS 3.8.1 3.8.7 3.8.8 and 3.8.9 RAIs  
**Attachments:** Watts Bar TS 3.8.1 3.8.7 3.8.8 and 3.8.9 EEOB RAIs.docx

**Importance:** High

Gordon/Russ,

By application dated November 26, 2018 (ML18331A134), Tennessee Valley Authority requested an amendment to the Technical Specifications (TS) for Watts Bar Nuclear Plant (WBN) Units 1 and 2. The proposed license amendment request would revise the WBN Unit 1 and Unit 2 TS 3.8.1, "AC Sources - Operating," TS 3.8.7, "Inverters - Operating," TS 3.8.8, "Inverters - Shutdown," and TS 3.8.9, "Distribution Systems - Operating," to support performance of the 6.9 kiloVolt (kV) and 480 Volt (V) shutdown board (SDBD) maintenance.

The NRC staff from Electrical Engineering Operating Branch (EEOB) has determined that additional information is needed to complete the review of the WBN license amendment request. The requested additional information is attached.

Please respond to the attached RAIs by 05/15/19, as proposed by TVA.

Thank you,

Farideh

Farideh E. Saba, P.E.  
Senior Project Manager  
NRC/ADRO/NRR/DORL  
301-415-1447  
Mail Stop O-8B01A  
[Farideh.Saba@NRC.GOV](mailto:Farideh.Saba@NRC.GOV)

**Hearing Identifier:** NRR\_DMPS  
**Email Number:** 925

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**Subject:** Watts Bar TS 3.8.1 3.8.7 3.8.8 and 3.8.9 RAIs  
**Sent Date:** 4/15/2019 11:07:56 AM  
**Received Date:** 4/15/2019 11:07:56 AM  
**From:** Saba, Farideh

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

**Recipients:**

"Schaaf, Robert" <Robert.Schaaf@nrc.gov>  
Tracking Status: None  
"Hon, Andrew" <Andrew.Hon@nrc.gov>  
Tracking Status: None  
"Shoop, Undine" <Undine.Shoop@nrc.gov>  
Tracking Status: None  
"Goel, Vijay" <Vijay.Goel@nrc.gov>  
Tracking Status: None  
"Wells, Russell Douglas" <rdwells0@tva.gov>  
Tracking Status: None  
"Williams, Gordon Robert (grwilliams1@tva.gov)" <grwilliams1@tva.gov>  
Tracking Status: None

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<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	1034	4/15/2019 11:07:56 AM
Watts Bar TS 3.8.1 3.8.7 3.8.8 and 3.8.9 EEOB RAIs.docx		23358

**Options**

**Priority:** High  
**Return Notification:** No  
**Reply Requested:** Yes  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

**WATTS BAR, UNITS 1 AND 2**  
**REQUEST FOR ADDITIONAL INFORMATION (RAI) REGARDING**  
**CHANGES TO TECHNICAL SPECIFICATIONS SECTIONS 3.8.1, 3.8.7, 3.8.8, AND 3.8.9**  
**(EPID NO. L-2018-LLA-0492)**

By letter dated November 26, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession number ML18331A134), Tennessee Valley Authority (the licensee) requested an amendment to the Technical Specifications (TSs) for Watts Bar Nuclear Plant (WBN) Units 1 and 2. The proposed license amendment request (LAR) would revise the WBN Unit 1 and Unit 2 TS 3.8.1, "AC Sources - Operating," TS 3.8.7, "Inverters - Operating," TS 3.8.8, "Inverters - Shutdown," and TS 3.8.9, "Distribution Systems - Operating," to support performance of the 6.9 kiloVolt (kV) and 480 Volt (V) shutdown board (SDBD) maintenance.

The U.S. Nuclear Regulatory Commission (NRC) staff from Electrical Engineering Operating Branch (EEOB) has determined that additional information is needed to complete the review of the WBN license amendment. The staff requests the licensee to provide additional information as stated below:

**Regulatory Requirement**

The regulations at 10 CFR 50.36, "Technical specifications," establish the requirements related to the content of the TS. Pursuant to 10 CFR 50.36(c) TS are required to include items in five specific categories related to station operation: (1) Safety limits, limiting safety system settings, and limiting control settings, (2) Limited conditions of operation (LCOs), (3) Surveillance requirements (SR), (4) Design features; and (5) Administrative controls. The proposed changes in this LAR relate to the LCO and SR categories.

**EEOB-RAI-1**

In TS 3.8.1, Condition D, Completion Time D.3 is being proposed as 7 days. To keep the risk low while performing preventive maintenance (PM) on any 6.9 kV shutdown board and its related downstream equipment, please provide following additional information:

- a. Describe how the remaining 6.9 kV shutdown boards and related downstream equipment will be protected. Also confirm that that no discretionary maintenance will be performed on this equipment during the Completion Time.
- b. List any other compensatory measures.

**EEOB-RAI-2**

In TS 3.8.9, Condition G, Completion Time G.1 is being proposed as 24 hours. Please provide following additional information:

- a. Describe how the remaining AC shutdown boards and related downstream equipment will be protected and confirm that no discretionary maintenance will be performed on this equipment during the Completion Time.
- b. List any other compensatory measures.