

## NRR-DMPSPeM Resource

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**From:** Saba, Farideh  
**Sent:** Thursday, May 3, 2018 8:50 AM  
**To:** Wells, Russell Douglas  
**Cc:** Schaaf, Robert; Johnson, Andrew; Tindell, Brian; Schrull, Edward Dustin; Jordan, Natreon  
**Subject:** Request for Additional Information Re: Unit 2 Cycle 1 Steam Generator Tube Inspection Report (EPID L-2018-LRO-0010)

**Importance:** High

**Tracking:**                   **Recipient**  
Wells, Russell Douglas  
Schaaf, Robert  
Johnson, Andrew  
Tindell, Brian  
Schrull, Edward Dustin  
Jordan, Natreon

Russel,

By letter dated February 16, 2018 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML18047A370), the Tennessee Valley Authority (TVA) submitted the results of the steam generator inspections performed at Watts Bar Nuclear Plant, Unit 2. These inspections were performed during the first refueling outage.

The U.S. Nuclear Regulatory Commission (NRC) staff has determined that additional information, as described in the below request for additional information (RAI), is required for the staff to complete its review of the steam generator inspection report.

Draft RAI was sent to you on April 27, 2018, to confirm your understanding of the information that the NRC staff needs to complete the review. On May 2, 2018, a clarification call was held between the TVA and NRC staff to discuss the draft RAIs. As we agreed during this call, please submit TVA's responses to the NRC RAI by June 4, 2018.

Thanks,

Farideh

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REQUEST FOR ADDITIONAL INFORMATION

FALL 2017 STEAM GENERATOR TUBE INSPECTION REPORT

TENNESSEE VALLEY AUTHORITY

WATTS BAR NUCLEAR PLANT, UNIT 2

DOCKET NO. 50-391

By letter dated February 16, 2018 (Agencywide Documents Access and Management System Accession No. ML18047A370), Tennessee Valley Authority, (the licensee) submitted the results of the steam generator (SG) inspections performed at Watts Bar Nuclear Plant, Unit 2. These inspections were performed during the first refueling outage (RFO 1).

In order to complete its review, the U.S. Nuclear Regulatory Commission staff requests the following additional information:

1. The technical specifications require that a condition monitoring assessment be performed, during each outage during which the SG tubes are inspected or plugged, to confirm that the performance criteria are being met. The technical specifications also require the reporting of location, orientation (if linear), and measured sizes (if available) of service-induced indications. Please clarify the information provided in the report from RFO 1 regarding the following:
  - a. Section 2.0, "180 Day Steam Generator Tube Inspection Report," sub-section e., Number of Tubes Plugged During the Inspection Outage for Each Degradation Mechanism," discusses a permeability variation found in a tube in SG 3. Please discuss how signal injection and engineering assessment were used to develop the basis for concluding that condition monitoring was confirmed.
  - b. Please describe the anomaly in tube support plate H01 of SG 3 (identified during inspection) and how it affected the eddy current inspection scope performed in the tubes near Row 47, Column 48.
  - c. Please confirm that all service-induced indications that were identified during the fall 2017 outage were included in the February 16, 2018, report.

**Hearing Identifier:** NRR\_DMPS  
**Email Number:** 343

**Mail Envelope Properties** (DM5PR0901MB2437741D1C38F4022702D6CC9F870)

**Subject:** Request for Additional Information Re: Unit 2 Cycle 1 Steam Generator Tube Inspection Report (EPID L-2018-LRO-0010)  
**Sent Date:** 5/3/2018 8:49:37 AM  
**Received Date:** 5/3/2018 8:49:00 AM  
**From:** Saba, Farideh

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

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**Post Office:** DM5PR0901MB2437.namprd09.prod.outlook.com

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE	2983	5/3/2018 8:49:00 AM

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