

## **NRR-PMDAPEm Resource**

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**From:** Dion, Jeanne  
**Sent:** Tuesday, March 24, 2015 11:35 AM  
**To:** rhbryan@tva.gov; Arent, Gordon <garent@tva.gov> (garent@tva.gov)  
**Cc:** Minarik, Anthony  
**Subject:** Watts Bar EMCB RAI - Lehman (3).docx  
**Attachments:** Watts Bar EMCB RAI - Lehman (3).docx

Bob,  
Please see the attached draft RAIs for the GSI-191 call. I'm working on finding some dates for the clarification call. Please keep Anthony on cc.

**Jeanne Dion**  
**Project Manager**  
**Watts Bar Special Projects Branch**  
**Division of Operating Reactor Licensing**  
**Office of Nuclear Reactor Regulation**  
**301-415-1349**

**Hearing Identifier:** NRR\_PMDA  
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**Subject:** Watts Bar EMCB RAI - Lehman (3).docx  
**Sent Date:** 3/24/2015 11:35:05 AM  
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**From:** Dion, Jeanne

**Created By:** Jeanne.Dion@nrc.gov

**Recipients:**

"Minarik, Anthony" <Anthony.Minarik@nrc.gov>  
Tracking Status: None  
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**Options**

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

## References:

1. Enclosure to Letter From William H. Ruland, Director, Division of Safety Systems, Office of Nuclear Reactor Regulation, U. S. Nuclear Regulatory Commission, to Anthony Pietrangelo, Vice President, Regulatory Affairs, Nuclear Energy Institute, "Revised Content Guide for Generic Letter 2004-02 Supplemental Responses." November 21, 2007. (ML073110389)
2. Enclosure 1 to Letter from Michael K. Brandon, Tennessee Valley Authority, to NRC Document Control Desk, "Watts Bar Nuclear Plant (WBN) Unit 1 – Supplemental Response to Nuclear Regulatory Commission Generic Letter 2004-02 (TAC No. MC4730)" dated March 31, 2008. (ADAMS Accession No.: ML081090501)
3. Letter R. M. Krich, Vice President Nuclear Licensing, Tennessee Valley Authority, to NRC Document Control Desk, "Response to Requests for Additional Information Related to NRC Generic Letter 2004-02," August 15, 2011. (ADAMS Accession No.: ML112291047)

## **Mechanical and Civil Engineering Branch (EMCB)**

### **Watts Bar GL 2004-02 – EMCB RAI-1**

In Reference 2, the licensee summarizes the design inputs and structural qualification for the WBN sump strainers. In that submittal, the licensee notes the strainer is designed for a differential pressure of 3.5 feet of water. In the "Strainer Structural Qualification" section of Attachment 4 of Reference 3, the licensee states that the strainer is qualified using an input pressure load of 6.0 feet and that the most limiting component of the strainer will remain qualified up to 6.5 feet. However, no updated supporting information (such as design inputs and interaction ratios) are provided to support this updated pressure value.

Provide an updated response to items 3.k.1 and 3.k.2 from Reference 1 that reflects the updated pressure value, or explain why the previously submitted information remains valid for the new pressure value.