

## NRR-PMDAPEm Resource

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**From:** Minarik, Anthony  
**Sent:** Thursday, April 16, 2015 3:31 PM  
**To:** Bryan, Robert H Jr (rhbryan@tva.gov); Polickoski, James Thomas <jtpolickoski@tva.gov> (jtpolickoski@tva.gov)  
**Cc:** Curran, Gordon; Poole, Justin; Quichocho, Jessie; Klein, Alex; Frumkin, Daniel; Moulton, Charles  
**Subject:** Audit Plan RE: Watts Bar Unit 2 Fire Protection Review  
**Attachments:** Watts Bar 2 Fire Protection Audit Plan.pdf

Bob and Jim,

Attached is an audit plan for the review of information related to the Watts Bar Fire Protection Report. Consider this a framework for establishing information sharing services and conducting face-to-face and/or on-site interactions to complete the review of the Fire Protection Report. Note, that during the timeframe of the audit all documents reviewed will be listed as references in the ensuing Audit Report and any necessary docketed information will be requested via RAI in order to reach the reasonable assurance finding. Thank you for your time and help.

Anthony Minarik  
301-415-6185

Office of Nuclear Reactor Regulation (NRR)  
Division of Operating Reactor Licensing (DORL)  
Watts Bar Special Projects Branch (LPWB)

Normal Hours:  
0600-1545: Mon-Fri

**Hearing Identifier:** NRR\_PMDA  
**Email Number:** 2043

**Mail Envelope Properties** (Anthony.Minarik@nrc.gov20150416153000)

**Subject:** Audit Plan RE: Watts Bar Unit 2 Fire Protection Review  
**Sent Date:** 4/16/2015 3:30:33 PM  
**Received Date:** 4/16/2015 3:30:00 PM  
**From:** Minarik, Anthony

**Created By:** Anthony.Minarik@nrc.gov

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Files	Size	Date & Time
MESSAGE	806	4/16/2015 3:30:00 PM
Watts Bar 2 Fire Protection Audit Plan.pdf		112624

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

## **Audit Plan for Watts Bar Fire Protection Report Review**

**Audit for:** TVA - WBN-1 & 2, Fire Protection Report

**Audit Dates:** April 20, 2015 to TBD (until NRC SE is issued)

**Type of Audit:** Fire Protection Report, Information Portal and Possible Site Audit

**Planned Audit Hours:** Open TBD

**Auditors:** D. Frumkin, Sr. Fire Protection Engineer  
C. Moulton, Fire Protection Engineer

### **a. Background**

TVA is requesting a license for Watts Bar Unit 2. The review for this license includes NRC review of the Watts Bar 2 Fire Protection Program consistent with information contained within Revision 2 of Regulatory Guide 1.189, "Fire Protection for Nuclear Power Reactors." To support licensing the NRC expects to review the as-built Fire Protection Report and develop a safety evaluation based on that review. With the proximity of the expected submittal of the as-built Fire Protection Report and the planned request for license, the Fire Protection Branch (AFPB) plans to use a regulatory audit to aid in the final review of the as-built Fire Protection Program. NRC staff audit of the draft information is intended to reduce the NRC staff review time for the as-built Fire Protection Report that TVA plans to submit to the NRC for review and approval in May 2015.

### **b. Regulatory Basis**

The regulatory basis is to support NRC staff review of Unit 2 of Watts Bar in accordance with NUREG-0800, Standard Review Plan, Section 9.5.1.1, and Revision 2 of Regulatory Guide 1.189, "Fire Protection for Nuclear Power Plants."

### **c. Regulatory Audit Scope**

Review the revised documentation from the Watts Bar 1 and 2 Fire Protection Report to support the license application for Watts Bar 2, and future expected license amendment for Watts Bar 1. The purpose of the Unit 1 Watts Bar license amendment will be to align both unit programs to a common approved fire protection program. NRC staff audit of the Fire Protection Report that is under development will allow for vetting of topics during public meetings and ensuring that the as-built Fire Protection Report is sufficiently complete for NRC staff review.

### **d. Information and Other Material Necessary for the Regulatory Audit**

- Sections of the Fire Protection Report that have been developed by TVA and are considered complete pending final TVA administrative approvals,
- Redline/Strikeout version comparison to last submitted version,
- Drawings and calculations related to or that support the Fire Protection Report,
- Design changes under development to support the Fire Protection Report, including but not limited to design changes to resolve inspection and licensee identified items, and

- Operator manual action timing results to support the operator manual actions described in the Fire Protection Report.

**e. Team Assignments**

Mr. C. Moulton and Mr. D. Frumkin will be reviewing information to support the as-built Fire Protection Report.

**f. Logistics**

The intent of this audit is to be primarily an audit of information on a read only information portal. Public meetings will be used for technical discussions.

**g. Special Requests**

TBD

**h. Deliverables**

TVA will make an online, password protected, read only, information portal available to NRC staff. On site dates for a tour will depend on the need for the tour and the schedule of the development of the Watts Bar Fire Protection Report.

**i. References**

- LIC-111 – Regulatory Audits
- Regulatory Guide 1.189, Revision 2
- NUREG-0800, Standard Review Plan 9.5.1.1
- TVA Multiple Spurious Operations Evaluation – R1976-20-01, August 2014
- TVA As-Designed Fire Protection Report – March 13, 2013 - ML130840169

**Audit Overview:** NRC staff will have access to a read only information portal to review TVA documents that are complete to support Watts Bar 2 licensing review.

**Audit/Observer:** None

**Entrance Meeting:** Via teleconference upon the availability of the portal.

**Exit Meeting:** Via teleconference upon the submittal of the as-built Fire Protection Report.

**Licensee Contacts:** Licensing: Gordon Arent  
Technical: James Polickoski

**List of Documents Requested:** TBD

**Branch Chief Instructions:** TBD

**Approving Branch Chief:** \_\_\_\_\_/RA/\_\_\_\_\_ **Date:** \_4/16/2015\_  
Alexander R. Klein

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**Branch Chiefs:** Alexander Klein, Jessie Quichocho

**Project Managers:** Andy Hon, Anthony Minarik, Justin Poole, Jeanne Dion

**Original to Branch Files:** NRR/DRA/AFPB

**Auditors:** D. Frumkin, C. Moulton