

## WBN2Public Resource

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**From:** Poole, Justin  
**Sent:** Tuesday, May 15, 2012 3:10 PM  
**To:** 'garent@tva.gov'; Bryan, Robert H Jr  
**Cc:** WBN2HearingFile Resource  
**Subject:** RE: DRAFT Need for clarification on Fire Protection Report  
**Attachments:** additional WBN clarifying question (5-15-12).docx

Gordon,

As a follow on to the emails sent Thursday and Friday of last week, the staff is adding the attached question to the list. Again, this email does not convey a formal NRC staff position, and it does not formally request information. Thanks.

*Justin C. Poole*  
*Sr. Project Manager*  
*NRR/DORL/LPWB*  
*U.S. Nuclear Regulatory Commission*  
*(301)415-2048*  
*email: [Justin.Poole@nrc.gov](mailto:Justin.Poole@nrc.gov)*

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**From:** Poole, Justin  
**Sent:** Friday, May 11, 2012 4:19 PM  
**To:** 'garent@tva.gov'  
**Cc:** WBN2HearingFile Resource  
**Subject:** RE: DRAFT Need for clarification on Fire Protection Report

Gordon,

As a follow on to the email sent Thursday afternoon, the staff would like to add the attached question to the ones sent previously. Again, this email does not convey a formal NRC staff position, and it does not formally request information. Thanks.

*Justin C. Poole*  
*Sr. Project Manager*  
*NRR/DORL/LPWB*  
*U.S. Nuclear Regulatory Commission*  
*(301)415-2048*  
*email: [Justin.Poole@nrc.gov](mailto:Justin.Poole@nrc.gov)*

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**From:** Poole, Justin  
**Sent:** Thursday, May 10, 2012 3:07 PM  
**To:** 'garent@tva.gov'  
**Cc:** WBN2HearingFile Resource  
**Subject:** DRAFT Need for clarification on Fire Protection Report

Gordon,

In reviewing TVA's recent FPR submittal, the staff has come up with the attached questions. Please review to ensure that the questions are understandable, the regulatory basis is clear, there is no proprietary information contained, and to determine if the information was previously docketed. If further clarification is needed, and

you would like to discuss the questions in a conference call, let us know. This email does not convey a formal NRC staff position, and it does not formally request for additional information.

**Hearing Identifier:** Watts\_Bar\_2\_Operating\_LA\_Public  
**Email Number:** 690

**Mail Envelope Properties** (19D990B45D535548840D1118C451C74DE1C85B9D8D)

**Subject:** RE: DRAFT Need for clarification on Fire Protection Report  
**Sent Date:** 5/15/2012 3:10:13 PM  
**Received Date:** 5/15/2012 3:12:07 PM  
**From:** Poole, Justin

**Created By:** Justin.Poole@nrc.gov

**Recipients:**

"WBN2HearingFile Resource" <WBN2HearingFile.Resource@nrc.gov>  
Tracking Status: None  
"garent@tva.gov" <garent@tva.gov>  
Tracking Status: None  
"Bryan, Robert H Jr" <rhbryan@tva.gov>  
Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

| <b>Files</b>                                      | <b>Size</b> | <b>Date &amp; Time</b> |
|---|-------------|------------------------|
| MESSAGE   | 1762        | 5/15/2012 3:12:07 PM   |
| additional WBN clarifying question (5-15-12).docx |             | 23568                  |

**Options**

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

10. The pressurizer transmitter sense lines near the top of the pressurizer, (FPR Part VII, Section 2.9.20.3.a, paragraph 5) are described as having a number of defense-in-depth features, such as limited ignition sources and combustibles, separation from other rooms, automatic suppression for the reactor coolant pumps, and no impact on plant trip for damage to FSSD components in 2RI – Unit 2 Reactor Building Inside Crane Wall. All other FSSD equipment in this room include one or more of these additional features:

1. Air piping is welded steel,
2. Redundant cables are separated by at least 3 feet horizontally,
3. Cables are installed in conduit,
4. Alternative systems are available in the control room to shutdown the plant,
5. Spurious actuations are avoided by the use of dedicated conduit with no other energized conductors,
6. Spurious actuations are avoided since they would only occur if there were a proper polarity two or three phase hot short,
7. Targets are high above the floor, at least 10 feet, and/or
8. Redundant trains may be located in the analysis volume, but not in the room being evaluated.

Provide information if any of these additional features apply to the pressure transmitter sense lines near the top of the pressurizer. If not, describe any additional mitigating features that provide assurance that the sense lines would not be damaged by fire.