

WBN2Public Resource

From: Poole, Justin
Sent: Monday, April 11, 2011 2:11 PM
To: Crouch, William D
Cc: Clark, Mark Steven; Hilmes, Steven A; WBN2HearingFile Resource
Subject: Open Item 360

Bill/Steve,

Per our earlier discussion with Steve Clark, the following will be added to OI 360 of the Open Item list when updated on Friday. In order to support the overall schedule, I am sending the additional questions now, to allow you additional time to gather the necessary information. These questions are based on the draft response to OI 360 sent on 4/8/11. Thanks.

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Follow up questions for NRC request, Item Number 360

- 1) Please provide detailed information about the In-core Instrumentation System (IIS) to be installed in Watts Bar Unit 2. This information should indicate how the system meets the requirements established in the Standard Review Plan, including system concept, system requirements, system design, and system development, as well as the regulatory requirements identified for Watts Bar Unit 2.
- 2) Please provide a description on how the system will meet the regulatory requirements identified in Table 7.1-1 of the SRP, applicable to the IIS.
- 3) Identify the document that describe the functionality of the IIS that is identical to the IIS used in the Westinghouse AP1000™ reactor design.
- 4) Identify the document that describe the functionality of the IIS that is identical to the IIS used in Seabrook.
- 5) Provide detailed description about the connection and communication for the signals to be transmitted from the Core Exit Thermocouples to the Common Q Post Accident Monitoring System (PAMS). Also, describe how this communication will meet the NRC communications regulatory requirements.
- 6) Please provide the following Westinghouse document: NO-WBT-002, "Westinghouse Incore Information Surveillance & Engineering (WINCISE™) System Technical Manual."
- 7) Provide the failure modes and effects analyses for the IIS, documented in calculation WBNOSG4220 "WB Incore Instrumentation System Failure Modes and Effects Analyses," and demonstrate how these potential failures do not adversely affect reactor safety.

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