WBN2Public Resource

From: Poole, Justin
Sent: Wednesday, January 12, 2011 10:34 AM
To: 'Crouch, William D'
Subject: FW: RAI 15.5-1 Response needed to complete draft SE
Attachments: image002.png

I will call about this.

From: Epperson, Dan
Sent: Wednesday, January 05, 2011 3:19 PM
To: Poole, Justin
Subject: FW: RAI 15.5-1 Response needed to complete draft SE

Justin,

See attached email from John Parillo regarding the information he requested.

Dan

From: Parillo, John
Sent: Wednesday, January 05, 2011 2:56 PM
To: Epperson, Dan
Cc: WBN2HearingFile Resource; Tate, Travis
Subject: RAI 15.5-1 Response needed to complete draft SE

Dan,

The original RAI and the response from the 30AUG2010 letter is shown below. The answer did not provide the requested information. The response did not identify all the changes made from the CLB of Unit 1 to license Unit 2. A phone call was made on 20SEP2010 to clarify exactly what information is needed. The question was restated to clarify that any changes to the CLB for Unit 1, which is being used as the base line for the licensing of Unit 2, would only apply to Unit 2. The restated RAI is as follows:

> Please provide additional information describing, for each design basis accident described in FSAR Section 15.5, all the basic parameters used in the dose consequence analyses. For each parameter, please indicate the Unit 1 CLB value, the revised value where applicable as will be applied to Unit 2, and the basis for any changes made to the Unit 1 CLB values. The NRC staff requests that this information be presented in separate tables for each accident evaluated.

Original RAI and response:

ENCLOSURE 1

Response to RAIs Regarding Unit 2 FSAR

Tennessee Valley Authority - Watts Bar Nuclear Plant - Unit 2, Docket No. 50-391

RAI for FSAR 15.5 [from NRC letter dated 06/11/2010 (ADAMS Accession No. ML101540133)]

15.5 - 1. To ensure a complete and accurate safety assessment of the proposed changes to the Watts Bar FSAR, the NRC staff needs to assess the safety significance of all of the changes to the current licensing basis (CLB) parameters used in the dose consequence analyses described in Chapter 15.5.

Please provide additional information describing, for each design basis accident described in FSAR Section 15.5, all the basic parameters used in the dose consequence analyses. For each parameter, please list the WBN Unit 1 CLB value, the revised value where applicable as will be applied to both WBN Units 1 and 2, and the basis for any changes made to the WBN Unit 1 CLB values. The NRC staff requests that this information be presented in separate tables for each accident evaluated.

Response: Per discussion with NRC, the question is not being answered with respect to Unit 1. In addition, electronic versions of calculations specified below are being provided in lieu of a list of specific parameter values.

To respond to this RAI, copies of calculations for each of the seven primary postulated events described in Unit 2 FSAR Section 15.5 are being provided. The following Table represents each of these postulated events and identifies the appropriate calculation from which the FSAR published data was derived. The Table also provides the appropriate FSAR table in which the data is found. Dose consequence analysis parameters are found within each of the listed calculations.

EVENT	CALCULATION(s)	FSAR TABLE(s)
1. Loss of Coolant Accident	TIRPS197 (off-site) TIRPS198 (operator)	15.5-6, 15.5-7, 15.5-8, 15.5-9, and 15.5-14
2. Recirculation Loop Leakage Post LOCA	WBNAPS3078	15.5-12 and 15.5-13
3. Loss of AC Power	WBNTSR080	15.5-1, 15.5-2, and 15.5-14
4. Steam Line Break	WBNAPS3077	15.5-14, 15.5-16, and 15.5-17
5. Steam Generator Tube Rupture	WBNTSR008	15.5-14, 15.5-18, and 15.5-19
6. Waste Gas Decay Tank Rupture	WBNTSR064	15.5-3, 15.5-4, 15.5-5, and 15.5-1
7. Fuel Handling Accident	WBNTSR009	15.5-14, 15.5-20, 15.5-21, and 15.5-23

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John G. Parillo
Senior Reactor Engineer
US Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Division of Risk Assessment
Accident Dose Branch
Office: O-10H18 / (301) 415-1344
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The contents of this message are mine personally and do not necessarily reflect any position of the NRC.

Hearing Identifier: Watts_Bar_2_Operating_LA_Public
Email Number: 280

Mail Envelope Properties (19D990B45D535548840D1118C451C74D7B646C1CE1)

Subject: FW: RAI 15.5-1 Response needed to complete draft SE
Sent Date: 1/12/2011 10:34:25 AM
Received Date: 1/12/2011 10:34:00 AM
From: Poole, Justin

Created By: Justin.Poole@nrc.gov

Recipients:
"'Crouch, William D'" <wdcrouch@tva.gov>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	1970	1/12/2011 10:34:00 AM
image002.png	597435	

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

ENCLOSURE 1

Response to RAIs Regarding Unit 2 FSAR

Tennessee Valley Authority - Watts Bar Nuclear Plant - Unit 2, Docket No. 50-391

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