

WBN2Public Resource

From: Poole, Justin
Sent: Friday, December 02, 2011 3:30 PM
To: Arent, Gordon; Bryan, Robert H Jr
Cc: WBN2HearingFile Resource
Subject: FW: For Your Review - Potential Issue - TS SFP Storage

Importance: High

This was the email that was sent to Unit 1 about 2 weeks ago. The concern was found while reviewing the proof and review of the Unit 2 TS. Please work with Unit 1 to resolve the potential issue. Thanks.

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

From: Lamb, John
Sent: Monday, November 21, 2011 1:41 PM
To: Shea, Joseph W
Cc: Stacy, Kara Morgan; Riedl, Christopher John; Arent, Gordon; Raghavan, Rags; Bavol, Bruce; Milano, Patrick; Poole, Justin; Lyon, Fred; Schulten, Carl; Wood, Kent; Monk, Robert; Miller, Kenneth; Shaeffer, Scott
Subject: For Your Review - Potential Issue - TS SFP Storage
Importance: High

Joe,

The NRC staff found a potential issue with WBN Unit 1 during our review of the WBN Unit 2 proposed TS 4.3 Fuel Storage.

The proposed WBN Unit 2 TS 4.3.1.1 d says "Fuel assemblies with enrichments less than or equal to 3.80 weight percent U-235 are allowed unrestricted storage."

The proposed WBN Unit 2 TS 4.3.1.1.e.2 says, "New and spent fuel assemblies may be stored in a checkerboard arrangement of 2 new and 2 spent assemblies, provided that each spent fuel assembly has accumulated a minimum burnup in the acceptable domain identified in Figure 4.3-4." Figure 4.3-4 requires fuel assemblies with an enrichment of 3.80 weight percent U-235 to have a burnup of approximately 10.32 GWD/MTU before they are candidates for storage in that checkerboard. Figure 4.3-4 requires some amount of burnup down to an enrichment of 2.51 weight percent U-235.

Therefore, fuel assemblies with "enrichments less than or equal to 3.80 weight percent U-235" are **NOT** allowed unrestricted storage in the WBN Unit 2 SFP and proposed WBN Unit 2 TS 4.3.1.1 d must be removed from the TS. The wording in TS 4.3.1.1.e will also need to be revised.

As the WBN Unit 2 proposed TS are virtually identical to the WBN Unit 1 TS, this is a potential issue that currently exists in the WBN Unit 1 TS. Therefore, TVA must (1) correct the WBN Unit 1 TS, (2) identify whether or not WBN Unit 1 currently has any fuel stored in the "New and spent fuel assemblies may be stored in a checkerboard arrangement of 2 new and 2 spent assemblies" that does not meet Figure 4.3-4, and (3) if, so, move them immediately, and (4) determine whether WBN Unit 1 ever had any fuel stored in the "New and spent fuel assemblies may be stored in a checkerboard arrangement of 2 new and 2 spent assemblies" that does not meet Figure 4.3-4.

Thanks.
John

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Subject: FW: For Your Review - Potential Issue - TS SFP Storage
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From: Poole, Justin

Created By: Justin.Poole@nrc.gov

Recipients:

"WBN2HearingFile Resource" <WBN2HearingFile.Resource@nrc.gov>

Tracking Status: None

"Arent, Gordon" <garent@tva.gov>

Tracking Status: None

"Bryan, Robert H Jr" <rhbryan@tva.gov>

Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

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Options

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