PMSTPCOL PEmails

From: Tai, Tom
Sent: Tuesday, May 19, 2009 1:16 PM
To: Agles, James
Cc: STPCOL
Subject: Draft RAI 2567 for Chapter 9.2.6
Attachments: RAI 2567 09.02.06-xx.doc

James,

Please review the attached RAI (09.02.06-xx). If you need a conference call to clarify the requested information, please contact me. If a conference call is not needed, please send me an email and I will continue the formal process of issuing the RAI to STPNOC.

Regards

Tom Tai
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Hearing Identifier: SouthTexas34Public_EX
Email Number: 1239

Mail Envelope Properties (C56E360E9D804F4B95BC673F886381E71F40A1424E)

Subject: Draft RAI 2567 for Chapter 9.2.6
Sent Date: 5/19/2009 1:15:59 PM
Received Date: 5/19/2009 1:16:00 PM
From: Tai, Tom

Created By: Tom.Tai@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Agles, James" <jaagles@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	367	5/19/2009 1:16:00 PM
RAI 2567 09.02.06-xx.doc	30714	

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

Request for Additional Information No. 2567 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 09.02.06 - Condensate Storage Facilities
Application Section: 09.02.09

QUESTIONS for Balance of Plant Branch 1 (AP1000/EPR Projects) (SBPA)

09.02.06-***

The staff reviewed STP DEP 1.1-2, which refers to the dual unit configuration of the plant. As described in Section 3.0 of the STP COL "Departures Report," each unit has a separate makeup water condensate (MUWC) system, including a separate condensate storage tank (CST).

Standard Review Plan (SRP) 9.2.6, Subsection II lists SRP Acceptance Criteria regarding the condensate storage facility design as they apply to GDC 5, "Sharing of Structures, Systems, and Components." For shared systems and components important to safety, the design is acceptable if an accident in one unit does not significantly affect the capability of the other unit to conduct a safe and orderly shutdown. The STP COL does not appear to explicitly indicate whether or not there are any cross-connections between the MUWC Systems for each unit. If a cross-connection were to exist, it might be possible for rupture of components (e.g., rupture of tank or piping) in one unit to drain condensate inventory from the other unit.

Describe any cross-connections between the two unit-specific MUWC systems, and if any cross-connections exist, explain how it is assured that rupture of components in one unit will not drain condensate inventory from the other unit. Include this information in the STP COL FSAR and provide a markup in your response.