PMSTPCOL PEmails

From: Govan, Tekia
Sent: Wednesday, August 12, 2009 12:11 PM
To: 'rhscheide@stpegs.com'
Cc: STPCOL
Attachments: RAI 3199.doc; RAI 2830.doc

Dick,

Please review the attached RAIs. If you feel we need a conference call to clarify the requested information, please contact me within 5 business days. If a conference call is not needed (please send an email) I will continue the formal process of issuing the RAIs to STPNOC.

This RAI relates to sections 5.2 and 5.3.

Thanks
Tekia

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Office of New Reactors
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Hearing Identifier: SouthTexas34Public_EX
Email Number: 1594

Mail Envelope Properties (83F82891AF9D774FBBB39974B6CB134F948EEF9404)

Subject:
Sent Date: 8/12/2009 12:10:46 PM
Received Date: 8/12/2009 12:10:47 PM
From: Govan, Tekia

Created By: Tekia.Govan@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"'rhscheide@stpegs.com'" <rhscheide@stpegs.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	**Size**	**Date & Time**
MESSAGE	601	8/12/2009 12:10:47 PM
RAI 3199.doc	31226	
RAI 2830.doc	30714	

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

Request for Additional Information No. 3199 Revision 0

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 05.03.03 - Reactor Vessel Integrity
Application Section: 05.03.03

QUESTIONS for Component Integrity, Performance, and Testing Branch 2 (ESBWR/ABWR Projects) (CIB2)

05.03.03-***

The staff has reviewed Standard Departure (STD DEP) T1 2.1-2 and determined that additional information is needed to determine its acceptability. The staff requests the following:

a) STP COL FSAR Tier 1, Section 2.1.1 and FSAR Tier 2, Section 5.3.3.1.1.1 state that the reactor internal pump (RIP) motor casings are clad with stainless steel only in the stretch tube region and around the bottom of the reactor internal pump motor casings. However, STP 3 & 4 COL Part 7 (Departures Report), Section 2.1, STD DEP T1 2.1-2 states that the standard ABWR design for installed applications includes stainless steel cladding from the top portion of the casing to the motor secondary seal and around the bottom of the RIP motor casing. The applicant also states that the design change represents an improvement based on ABWR operating experience. Please clarify which portions of the RIP motor casing will have cladding and provide the specific operating experience used to justify the design change.

b) ABWR DCD states that the reactor vessel bottom head is clad with Ni-Cr-Fe alloy, while STP 3 & 4 COL Part 7 (Departures Report), Section 2.1, STD DEP T1 2.1-2 states that the RIP motor casings are clad with stainless steel from the top portion of the casing to the motor secondary seal. Provide details about the material types and procedures used to join the RIP motor casing and the bottom reactor vessel head.

Revise the applicable COLA sections accordingly

Request for Additional Information No. 2830 Revision 0

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 05.02.01.01 - Compliance With the Codes and Standards Rule, 10 CFR 50.55a
Application Section: 5.2.1.1

QUESTIONS for Component Integrity, Performance, and Testing Branch 2 (ESBWR/ABWR Projects) (CIB2)

05.02.01.01-***

Section 5.2, "Integrity of Reactor Coolant Pressure Boundary," of the Final Safety Analysis Report (FSAR) in the South Texas Project (STP) Units 3 & 4 Combined License (COL) application incorporates by reference Subsection 5.2.1.1, "Compliance with 10 CFR 50, Section 50.55a," of the ABWR Design Control Document (DCD) Tier 2, which refers to DCD Tier 2, Table 3.2-3, "Quality Group Designations – Codes and Industry Standards," for the ASME Code applied to plant components. ABWR DCD Tier 2, Subsection 5.2.1.1 states that the Code edition, applicable addenda, and component dates will be in accordance with 10 CFR 50.55a. The STP COL applicant is requested to specify the Code edition and addenda to be applied to the STP components. The STP COL applicant is also requested to specify the edition and addenda of the American Society of Mechanical Engineers (ASME) *Code for Operation and Maintenance of Nuclear Power Plants* (OM Code) to be applied to pumps, valves, and dynamic restraints at STP Units 3 & 4.