PMSTPCOL PEmails

From: Tai, Tom
Sent: Friday, July 24, 2009 10:24 AM
To: Agles, James
Cc: STPCOL; Mookhoek, William
Subject: Letter 159 - RAI 2500 and 2501 (9.5)
Attachments: LTR 159ML0920204860.pdf

Jim,

Attached for your information is an advanced copy of Letter 159 trabsmitting RAIs 2500 and 2501 for Chapters 9.5.4 and 9.5.6.

Regards

Tom Tai
DNRL/NRO
(301) 415-8484
Tom.Tai@NRC.GOV

Hearing Identifier: SouthTexas34Public_EX
Email Number: 1499

Mail Envelope Properties (C56E360E9D804F4B95BC673F886381E71FBC66AF0F)

Subject: Letter 159 - RAI 2500 and 2501 (9.5)
Sent Date: 7/24/2009 10:23:31 AM
Received Date: 7/24/2009 10:23:35 AM
From: Tai, Tom

Created By: Tom.Tai@nrc.gov

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

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Files	**Size**	**Date & Time**
MESSAGE	226	7/24/2009 10:23:35 AM
LTR 159ML0920204860.pdf	98096	

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

July 21, 2009

Mr. Scott Head, Manager
Regulatory Affairs
STP Nuclear Operating Company
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 159 RELATED TO SRP SECTION 09.05 FOR THE SOUTH TEXAS PROJECT COMBINED LICENSE APPLICATION

Dear Mr. Head

By letter dated September 20, 2007, STP Nuclear Operating Company (STP) submitted for approval a combined license application pursuant to 10 CFR Part 52. The U. S. Nuclear Regulatory Commission (NRC) staff is performing a detailed review of this application to enable the staff to reach a conclusion on the safety of the proposed application.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within **30** days of the date of this letter. If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes.

If you have any questions or comments concerning this matter, I can be reached at 301-415-8484 or by e-mail at Tom.Tai@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tom M. Tai, Senior Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 2500 and 2501

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Agles

If you have any questions or comments concerning this matter, I can be reached at 301-415-8484 or by e-mail at Tom.Tai@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tom M. Tai, Senior Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 2500 and 2501

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Agles

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NAME	RRadlinksi	JSegala	TTai	SKirkwood	GWunder
DATE	3/31/09	5/29/09	7/21/09	6/12/09	6/12/09

***Approval captured electronically in the electronic RAI system.**

OFFICIAL RECORD COPY

Request for Additional Information No. 2500 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 09.05.04 - Emergency Diesel Engine Fuel Oil Storage and Transfer System
Application Section: 9.5.4

QUESTIONS for Balance of Plant Branch 2 (ESBWR/ABWR) (SBPB)

09.05.04-1

Removal of cathodic protection from fuel oil transfer piping is predicated on the assumption that the new tunnel system is sufficiently sealed, drained and/or monitored to prevent water buildup and corrosion. Since the applicant provides no information regarding this new system, staff cannot confirm that the alternative system maintains the integrity of the fuel oil system. The applicant must provide the drawings or sketches necessary for staff to understand the new system and ascertain that system integrity has not degraded. The applicant must also provide the industry codes and standards that will be applied to the vaults, tunnels, and protective coatings on the tanks and piping.

09.05.04-2

STP RCOL Section 9.5.4.3 states that the piping between the underground storage tank and the reactor building is routed in tunnels. The description does not indicate how the underground storage tank and piping will be inspected. SRP Section 9.5.4 Paragraph 9.5.4 I.1.G, specifies that the design include the capability to detect and control system leakage, including isolating system portions in the event of excessive leakage or component malfunction. The RCOL should explain how the system design includes the capability to detect and control system leakage, including isolating system portions in the event of excessive leakage or component malfunction. In particular, the description should address the underground portions of the system.

Enclosure

Request for Additional Information No. 2501 Revision 2

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 09.05.06 - Emergency Diesel Engine Starting System
Application Section: 9.5.6

QUESTIONS for Balance of Plant Branch 2 (ESBWR/ABWR) (SBPB)

09.05.06-1

In Revision 2 of STP's COL FSAR, Tier 2, Part 4, Chapter 3, Section B 3.8.3, under the sub-heading of "Actions, E.1," reference is made to "starting air receiver pressure < [3,000] MPaG." Similarly, in the next sentence the units specified for the lower pressure limit are also given as MPaG. These large pressure values conflict with the Technical Specification air receiver pressure limits provided in LCO 3.8.3; namely, [3,000] kPaG and [2,700] kPaG. Please provide a revised statement that correctly identifies the pressure values associated with the starting air receivers. Include this information in the FSAR and provide a markup in your response.