

PMSTPCOL PEmails

From: Tai, Tom
Sent: Tuesday, July 28, 2009 7:19 AM
To: Agles, James
Cc: STPCOL; Mookhoek, William
Subject: Letter 165 - RAI 2537 & 2538
Attachments: LTR 165 ML0920506250.pdf

Jim,

Attached for your information is an advanced copy of letter 165 transmitting RAIs 2537 and 2538 for Chapters 9.1.5 and 9.1.4.

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

Hearing Identifier: SouthTexas34Public_EX
Email Number: 1510

Mail Envelope Properties (C56E360E9D804F4B95BC673F886381E71FBC6DAA98)

Subject: Letter 165 - RAI 2537 & 2538
Sent Date: 7/28/2009 7:19:27 AM
Received Date: 7/28/2009 7:19:29 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

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	210	7/28/2009 7:19:29 AM
LTR 165 ML0920506250.pdf	95257	

Options

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

July 27, 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. 165 RELATED TO
SRP SECTION 09.01.05 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.

S. Head

-2-

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. 2537 and 2538

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Agles

S. Head

-2-

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. 2537 and 2538

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Agles

Distribution:
PUBLIC
NGE 1/2 R/F
GWunder, NRO
BAbeywickrama, NRO
GCurran, NRO
JSegala, NRO
SKirkwood, OGC
RidsNroDsraSbpa
RidsNroDnrINge2

ADAMS Accession No. ML092050625

NRO-002

OFFICE	SBPB/TR	SBPB/BC	NGE2/PM	OGC	NGE2/L-PM
NAME	GCurran	JSegala	TTai	SKirkwood	GWunder
DATE	4/15/09	4/15/09	4/15/09	4/27/09	5/12/09

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

OFFICIAL RECORD COPY

Request for Additional Information No. 2537 Revision 2

7/23/2009

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 09.01.05 - Overhead Heavy Load Handling Systems
Application Section: 9.1.5

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

09.01.05-3

In response to RAI 09.01.05-01, section 9.1.6.6 of STP COLA revision 2 was revised to include the six items shown in ABWR DCD section 9.1.6.6. As stated in FSAR, these six items are included in the commitment (COM 9.1-3) to add appropriate descriptions with an amendment prior to fuel receipt. The staff notes that a license amendment prior to fuel load is not needed to develop procedures.

In order to meet the COL action item, a commitment to develop procedures containing the elements of Regulatory Guide (RG) 1.206 and NUREG 0612 regarding the heavy load handling program is needed.

The FSAR does not include all elements of the heavy load handling program of RG 1.206 Section C.I.9.1.5 "Overhead Heavy Load Handling System". RG 1.206 states that the COL applicant is to include a listing of all heavy loads and heavy load handling equipment outside the scope of loads described in the referenced certified design and the associated heavy load attributes (load weight and typical load paths). RG 1.206 also requests a safety evaluation for heavy loads outside the scope of loads described in certified design that are handled by non-single-failure-proof handling systems. Provide justification how this RG 1.206 item is addressed. This is **Open Item 9.1.5-02**.

Request for Additional Information No. 2538 Revision 2

7/23/2009

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 09.01.04 - Light Load Handling System (Related to Refueling)
Application Section: SRP 9.1.4

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

09.01.04-6

Revision 1 of the STP FSAR declared the fuel assembly sampler and jib crane components referenced in the ABWR DCD as outdated equipment that was to be no longer utilized. However, both of these components were restored in section 9.1.4 of the FSAR revision 2, to incorporate the ABWR DCD design which was reviewed and approved in NUREG-1503.

However, Figure 9.1-10, "Jib Crane Channel handling Boom" that was present in the ABWR DCD has not been restored in the STP FSAR. Staff is unable to determine whether the jib crane design was modified or retains the same design as the ABWR DCD. Provide justification for not restoring the ABWR DCD jib crane Figure 9.1-10 in the STP FSAR. This is **Open Item 9.1.4-01**.

09.01.04-7

In response to RAI 09.01.05-1, dated July 2, 2008, the applicant provided standard supplement to address COL information item 9.6 in section 9.1.6.6 that includes a commitment COM 9.1-3 stating that a list of six items will be provided prior to fuel load.

These six items are applicable to Heavy Load Handling system (FSAR section 9.1.5) and do not reflect any operational procedures governing fuel handling as requested in RG 1.206 Section C.1.9.1.4. Provide a description of the operational procedures governing fuel handling, including administrative controls. Also, provide information or commitment indicating when these will be available. This is **Open Item 9.1.4-02**