

## PMSTPCOL PEmails

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**From:** Tai, Tom  
**Sent:** Wednesday, August 17, 2011 12:43 PM  
**To:** Price, John E  
**Cc:** STPCOL; Williams, Stephen  
**Subject:** STP - RAI 5991 for RWB Classification  
**Attachments:** LTR 384 RAI 5991.doc

John,

Attached for your information is RAI 5991 requesting information to support Safety Class IIb for the radwaste building.

This RAI is being issued today or tomorrow under NRC letter 384.

We can discuss this later this afternoon during the 3 pm session.

Regards

Tom Tai  
DNRL/NRO  
(301) 415-8484  
[Tom.Tai@NRC.GOV](mailto:Tom.Tai@NRC.GOV)

**Hearing Identifier:** SouthTexas34Public\_EX  
**Email Number:** 3016

**Mail Envelope Properties** (0A64B42AAA8FD4418CE1EB5240A6FED13E626E271F)

**Subject:** STP - RAI 5991 for RWB Classification  
**Sent Date:** 8/17/2011 12:43:29 PM  
**Received Date:** 8/17/2011 12:43:31 PM  
**From:** Tai, Tom

**Created By:** Tom.Tai@nrc.gov

**Recipients:**

"STPCOL" <STP.COL@nrc.gov>

Tracking Status: None

"Williams, Stephen" <Stephen.Williams@nrc.gov>

Tracking Status: None

"Price, John E" <jeprice@STPEGS.COM>

Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

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MESSAGE	368	8/17/2011 12:43:31 PM
LTR 384 RAI 5991.doc	59386	

**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

Mr. Scott Head, Manager  
Regulatory Affairs  
Nuclear Innovation North America, LLC  
4000 Avenue F  
Bay City, TX 77414

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 384 RELATED TO  
SRP SECTION 03.08.04 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

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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](mailto:Tom.Tai@nrc.gov) or you may contact George Wunder at 301-415-1494 or [George.Wunder@nrc.gov](mailto:George.Wunder@nrc.gov).

Sincerely,

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. 5991

Enclosure:  
Request for Additional Information

cc: William Mookhoek  
John Price  
Loree Elton

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](mailto:Tom.Tai@nrc.gov) or you may contact George Wunder at 301-415-1494 or [George.Wunder@nrc.gov](mailto:George.Wunder@nrc.gov).

Sincerely,

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. 5991

Enclosure:  
Request for Additional Information

cc: William Mookhoek  
John Price  
Loree Elton

Distribution:  
PUBLIC  
NGE 1/2 R/F  
GWunder, NRO  
BAbeywickrama, NRO  
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RidsNroDnrlNge2

**ADAMS Accession No.**

NRO-002

OFFICE	SEB2/TR	SEB2/BC	NGE2/PM	NGE2/L-PM
NAME	MChakrabarti	BThomas	TTai	GWunder
DATE	8/12/11	8/15/11	8/15/11	8/17/11

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

**OFFICIAL RECORD COPY**

Request for Additional Information No. 5991 Revision 5

8/17/2011

South Texas Project Units 3 and 4  
South Texas Project Nuclear Operating Co  
Docket No. 52-012 and 52-013  
SRP Section: 03.08.04 - Other Seismic Category I Structures  
Application Section: FSAR 3H.3

QUESTIONS for Structural Engineering Branch 2 (ESBWR/ABWR Projects) (SEB2)

**03.08.04-37**

Radwaste Building Classification:

In Appendix 3H.3 of the FSAR, Revision 5, the applicant states that "The RWB is classified as RW-IIb (Hazardous) in accordance with RG 1.143." The staff finds the commitment to comply with the guidance in RG 1.143 for classification of RWB to be consistent with the evaluation of STD DEP T1 2.15-1 in FSAR, Part 7, Departure Report, and the guidance provided in Regulatory Guide 1.29. However, the FSAR did not include any discussion of how the guidance provided in RG 1.143 was implemented in establishing the classification of RW-IIb for RWB. Therefore, the applicant is requested to demonstrate that the classification of RW-IIb for the RWB is appropriate including the basis supporting the classification process presented in Regulatory Position C.5 of RG 1.143. Please include any changes to the FSAR to document the basis.