

PMSTPCOL PEmails

From: Tai, Tom
Sent: Tuesday, August 04, 2009 11:27 AM
To: Price, John E
Cc: STPCOL; Mookhoek, William
Subject: Letter 179 - RAI 3209
Attachments: LTR 179 ML0921204735.pdf

John,

Attached for your use is an advanced copy of Letter 179 transmitting RAI 3209 for Chapter 3.6.1.

Regards

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

Hearing Identifier: SouthTexas34Public_EX
Email Number: 1545

Mail Envelope Properties (C56E360E9D804F4B95BC673F886381E71FBD9BAE97)

Subject: Letter 179 - RAI 3209
Sent Date: 8/4/2009 11:26:37 AM
Received Date: 8/4/2009 11:26:41 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
"Price, John E" <jeprice@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	198	8/4/2009 11:26:41 AM
LTR 179 ML0921204735.pdf		85143

Options

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

August 3, 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. 179 RELATED TO
SRP SECTION 03.06.01 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. 3209

Enclosure:
Request for Additional Information

cc: William Mookhoek
John Price

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. 3209

Enclosure:
Request for Additional Information

cc: William Mookhoek
John Price

Distribution:

PUBLIC	ccchappell@STPEGS.com
NGE 1/2 R/F	STP.COL
GWunder, NRO	wemookhoek@STPEGS.com
BAbeywickrama, NRO	
RHernandez, NRO	
JSegala, NRO	
SKirkwood, OGC	
RidsNroDsraSbpa	
RidsNroDnrINge2	

ADAMS Accession No. ML092120473

NRO-002

OFFICE	SBPA/TR	SBPA/BC	NGE2/PM	OGC	NGE2/L-PM
NAME	RHernandez	JSegala	TTai	SKirkwood	GWunder
DATE	6/24/09	6/24/09	6/24/09	7/22/09	7/22/09

***Approval captured electronically in the electronic RAI system.
OFFICIAL RECORD COPY**

Request for Additional Information No. 3209 Revision 2

7/30/2009

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013

SRP Section: 03.06.01 - Plant Design for Protection Against Postulated Piping Failures in Fluid
Systems Outside Containment
Application Section: 3.6.1 and 3.6.2

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

03.06.01-2

This is the supplemental RAI for RAI 129, 03.06.01-1

In the response to (E-RAI 129) RAI 03.06.01-1, the applicant stated:

ITAAC 3.3 Item 2 requires inspections of both the Pipe Break Analysis Report and the as-built high and moderate energy pipe break mitigation features (including spatial separation), but the acceptance criteria do not specify that the Pipe Break Analysis Report will be made available for staff review prior to installation. It is expected that all design-related ITAAC will be scheduled following completion of the applicable design documents and early in the construction phase. Section 3.6.5.1 of the COLA will be revised to commit to notifying the NRC staff of the availability of the Pipe Break Hazards Analysis Report(s) prior to installation of affected systems or components. The necessary details of that information will be provided in the next COLA revision occurring beyond three months after completion of the Pipe Break Analysis Report(s).

Section 3.6.5.1 will be revised to add the following paragraph at the end of the section:

"The NRC staff will be notified of the availability of the design Pipe Break Hazards Analysis Report(s) prior to installation of affected systems or components. The necessary details of that information will be provided in the next COLA revision occurring beyond three months after completion of the Pipe Break Analysis Report(s)."

The staff found this response insufficient. ITAAC 3.3 Item 2 only addresses the as-build aspect of the Pipe Break Analysis Report and not the as-designed. Additionally, Section 3.6.5.1 of the reference ABWR DCD refers to Section 3.6.2.5 and states that the details of the pipe break analysis results and protection methods shall be provided by the COL applicant for the operating license review.

10 CFR 52.79(d)(3) states that the final safety analysis report must demonstrate that all requirements and restrictions set forth in the referenced design certification rule, other than those imposed under 10 CFR Part 50.36b, must be satisfied by the date of issuance of the combined license. Any requirements and restrictions set forth in the referenced design certification rule that could not be satisfied by the time of issuance of the combined license, must be set forth as terms or conditions of the combined license.

The applicant is therefore, requested to complete and submit the as-designed Pipe Break Analysis Report within the COL review phase; or to propose a site-specific ITAAC to address the as-designed Pipe Break Analysis Report with a license condition that provides a description pertaining to the closure schedule of the report; or an acceptable alternative.