

PMSTPCOL PEmails

From: Muniz, Adrian
Sent: Wednesday, August 26, 2009 10:03 AM
To: jwcook@stpegs.com
Cc: STPCOL
Subject: RAI Letter # 254
Attachments: ML0923706620.pdf

James:

Attached for your information is an advanced copy of Letter # 254.

Regards,

Adrian Muñiz, DNRL
US NRC

Hearing Identifier: SouthTexas34Public_EX
Email Number: 1676

Mail Envelope Properties (3DF2506A7257014AAC5857E5E852DEAC075B16DBDE)

Subject: RAI Letter # 254
Sent Date: 8/26/2009 10:03:04 AM
Received Date: 8/26/2009 10:03:05 AM
From: Muniz, Adrian

Created By: Adrian.Muniz@nrc.gov

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

Post Office: HQCLSTR02.nrc.gov

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MESSAGE	152	8/26/2009 10:03:05 AM
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Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

August 25, 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. 254 RELATED TO
SRP SECTION 7.1 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 301-415-4093 or by e-mail at Adrian.Muniz@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Adrian Muñoz, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 3393

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Cook

S. Head

-2-

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Sincerely,

/RA/

Adrian Muñiz, Project Manager
ABWR Projects Branch
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Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 3393

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Cook

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NAME	DTaneja	HLi	AMuñiz	SKirkwood	GWunder
DATE	7/27/09	7/28/09	8/25/09	8/18/09	8/19/09

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

OFFICIAL RECORD COPY

Request for Additional Information No. 3393 Revision 02

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co**

Docket No. 52-012 and 52-013

SRP Section: 07.01 - Instrumentation and Controls - Introduction

Application Section: Tier 2 Tables 1.9S-1 and 1.9S-1a

QUESTIONS for Instrumentation, Controls and Electrical Engineering 2 (ESBWR/ABWR Projects)
(ICE2)

07.01-14

In the STPNOC letter U7-C-STP-NRC-090009, dated February 9, 2009, the applicant provided the conformance to the Regulatory Guides (RG), Codes and Standards, that are applicable to I&C platform departures. Enclosure 2b of this letter contains proposed revisions to COLA Tier 2 Table 1.9S-1, "Site-Specific Conformance with Regulatory Guides," and a new Table 1.9S-1a, "IEEE Standards Applicable to the STP 3&4 Platforms," which document the RG, Codes, and Standards applicable to the departed I&C design. Footnotes 1 and 2 to these tables refer to the proposed technologies for Reactor Trip & Isolation System (RTIS), Neutron Monitoring System (NMS), and ESF Logic & Control System (ELCS), i.e., Toshiba FPGA platform and Westinghouse Common Q platform. These footnotes make a distinction in the Rev. levels of RG and IEEE Std. applicable to the RTIS/NMS and the ELCS. The reason for this distinction is the bases of prior NRC generic approval of the Westinghouse Common Q platform. Subsequently, in the STPNOC letter U7-C-STP-NRC-090076, dated July 22, 2009, the applicant stated that the design approval approach for STP 3 & 4 safety-related digital I&C systems no longer relies on the approval of the Westinghouse and Toshiba topical reports referred to in the footnotes, which are no longer relevant to the information in the tables, and therefore these two footnotes will not be incorporated into the COLA. However, the applicant did not change the RG and IEEE Std. revision numbers associated with these footnotes. Please note that all departures from the referenced certified design in the COLA are required to meet the current regulations. Since the NRC approval of the ELCS design no longer relies on the pre-approved Westinghouse Common Q platform, the ELCS design should also conform to the current regulation and associated IEEE Std. and Regulatory Guides (similar to the RTIS and NMS design). Update FSAR Tables 1.9S-1, 1.9S-1a, and related sections of the COL application addressing the ELCS design compliance to the current regulations.