

PMSTPCOL PEmails

From: Keith, Felicia
Sent: Wednesday, August 26, 2009 10:38 AM
To: Bill Mookhoek; Chappell, Coley; STPCOL; Scott Head
Cc: Muniz, Adrian
Subject: Request for Additional Information Letter No. 251 Related To SRP Section 7.3 For The South Texas Project Combined License Application
Attachments: ML092370640.pdf

TO: Scott Head

FROM: Adrian Muniz

DATE: August 25, 2009

ADAMS Accession No. ML0092370640

Felicia Keith, Secretary
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors
301-415-2950
Felicia.Keith@nrc.gov

Hearing Identifier: SouthTexas34Public_EX
Email Number: 1675

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Subject: Request for Additional Information Letter No. 251 Related To SRP Section 7.3
For The South Texas Project Combined License Application
Sent Date: 8/26/2009 10:38:14 AM
Received Date: 8/26/2009 10:38:17 AM
From: Keith, Felicia

Created By: Felicia.Keith@nrc.gov

Recipients:

"Muniz, Adrian" <Adrian.Muniz@nrc.gov>
Tracking Status: None
"Bill Mookhoek" <wemookhoek@stpegs.com>
Tracking Status: None
"Chappell, Coley" <ccchappell@STPEGS.COM>
Tracking Status: None
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Scott Head" <smhead@stpegs.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

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MESSAGE	302	8/26/2009 10:38:17 AM
ML092370640.pdf	96320	

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. 251 RELATED TO
SRP SECTION 7.3 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. 3131

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Cook

S. Head

-2-

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

Docket Nos. 52-012
52-013

eRAI Tracking No. 3131

Enclosure:
Request for Additional Information

cc: William Mookhoek
James Cook

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NRO-002

OFFICE	ICE2/TR	ICE2/BC	NGE2/PM	OGC	NGE2/L-PM
NAME	JZhao	IJung	AMuñiz	SKirkwood	GWunder
DATE	6/26/09	6/30/09	8/25/09	8/14/09	8/14/09

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

OFFICIAL RECORD COPY

Request for Additional Information No. 3131 Revision 02

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**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 07.03 - Engineered Safety Features Systems
Application Section: 07.03**

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

07.03-2

Departure STD DEP T1 3.4-1 took a deviation from the certified ABWR DCD on the data communication and control system. For the safety related residual heat removal (RHR) system, COLA FSAR Tier 2 Section 7.3.1.1.4(3)(i) states that "this action must occur within a limited interval." Provide specific time requirement for this action and also include what would happen and any mitigations are provided if the operator does not act within the limited time interval.

07.03-3

Departure STD DEP T1 2.4-2 proposed changes to the feedwater line break mitigation which include the monitoring of the feedwater line differential pressure. The COLA FSAR Tier 2 Section 7.3.1.1.2(3)(w) added the monitoring of the feedwater line differential pressure. Provide sufficient information on how and where the feedwater line differential pressure is measured. In addition, provide sufficient information on how the detection of the feedwater line differential pressure is to be used in the feedwater pump control logics.

07.03-4

COLA FSAR Sections 7.3.2.3.2, 7.3.2.4.2, and 7.4.2.3.2 state that the parent RHR system annunciates activity at the loop level and the individual mode of the RHR system is not separately annunciated. STD DEP 1.8-1 updated the IEEE 603 "Standard Criteria for Safety Systems for Nuclear Generating Stations" to the 1991 version, as required in 10 CFR 50.55a(h). According to Section 5.8 of IEEE 603-1991 system status indication shall be provided. Since there are a few operation modes (low pressure flooders, wetwell and drywell spray cooling, and suppression pool cooling) for the RHR system, the display of the operation mode for the RHR system should be provided to minimize the possibility of ambiguous indications that could be confusing to the operator. Provide adequate justification for this design.

Enclosure