

PMSTPCOL PEmails

From: Govan, Tekia
Sent: Thursday, June 04, 2009 10:34 AM
To: 'Head, Scott'
Cc: STPCOL; 'rhscheide@stpegs.com'
Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER No. 118 and 119
Attachments: ML091540822.pdf; ML091540515.pdf

Attached you will find the publically available ADAMS files which contains the "REQUEST FOR ADDITIONAL INFORMATION LETTER No.118 and 119 RELATED TO SRP SECTION 05.04 FOR THE SOUTH TEXAS PROJECT COMBINED LICENSE APPLICATION ." This email is being sent to satisfy the delivery date noted on the letter, however a copy of this document has been sent to you via postal mail.

We realize a mistake was made with the first RAI that was posted for letter no 119. The problem has since been corrected and the public web site will be updated shortly. We will update our tracking system to allow an extra 1 day to respond to these RAIs.

If you have any questions or concerns, please do not hesitate to contact me.

Tekia V. Govan, Project Manager
U.S. Nuclear Regulatory Commission
Office of New Reactors
MS T-7-F29
Washington DC 20555-0001
301-415-6197
Tekia.Govan@nrc.gov

Hearing Identifier: SouthTexas34Public_EX
Email Number: 1285

Mail Envelope Properties (83F82891AF9D774FBBB39974B6CB134F92A7A9DAA5)

Subject: REQUEST FOR ADDITIONAL INFORMATION LETTER No. 118 and 119
Sent Date: 6/4/2009 10:34:28 AM
Received Date: 6/4/2009 10:34:29 AM
From: Govan, Tekia

Created By: Tekia.Govan@nrc.gov

Recipients:

"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"rhscheide@stpegs.com" <rhscheide@stpegs.com>
Tracking Status: None
"Head, Scott" <smhead@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

| Files | Size | Date & Time |
|-----------------|-------------|------------------------|
| MESSAGE | 956 | 6/4/2009 10:34:29 AM |
| ML091540822.pdf | 80427 | |
| ML091540515.pdf | 85491 | |

Options

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

June 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. 118 RELATED TO SRP
SECTION 05.04 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

-2-

If you have any questions or comments concerning this matter, I can be reached at 301-415-6197 or by e-mail at Tekia.Govan@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tekia V. Govan, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 2627 and 2771

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

S. Head

-2-

If you have any questions or comments concerning this matter, I can be reached at 301-415-6197 or by e-mail at Tekia.Govan@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tekia V. Govan, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 2627 and 2771

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

Distribution:
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RidsNroDnrlNge2

ADAMS Accession No. ML091540822

NRO-002

| | | | | | |
|--------|------------|------------|------------|------------|------------|
| OFFICE | SRSB/TR | SRSB/BC | NGE2/PM | OGC | NGE2/L-PM |
| NAME | JBudzynski | JDonoghue | TGovan | SBrock | GWunder |
| DATE | 05/06/2009 | 05/07/2009 | 06/03/2009 | 05/13/2009 | 05/14/2009 |

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

OFFICIAL RECORD COPY

Request for Additional Information No. 2627 Revision 2

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 05.04.07 - Residual Heat Removal (RHR) System
Application Section: 5.4.7 Appendix 5B**

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

05.04.07-7

Appendix 5B in Tier 2 of the ABWR DCD provides an analysis to support inspections, tests, analyses, and confirmations of the Residual Heat Removal (RHR) System. STP submitted administrative changes to several equations and values in Appendix 5B.

- a. Section 5B.2.3 The staff requests that STP clarify the bases for these changes, including the definition of HMin and H954.
- b. Section 5B.3 (b) the heat removal capacity of the RHR heat exchanger was changed from 370.5 kj/sec/degrees/centigrade to 4.27×10^5 W/ degrees C. Explain the conversion of the units from kj/sec/degrees/centigrade to W/degrees centigrade. Also explain why the units for Q are deleted.

Enclosure

Request for Additional Information No. 2771 Revision 2

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 05.04 - Reactor Coolant System Component and Subsystem Design
Application Section: 5.4.1**

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

05.04-1

Please provide the contingency plan described in COL information item 5.10 for NRC review and all related discussion on potential draining of the reactor vessel during RIP maintenance activities:

- Worst case scenario evaluated
- Impact on personnel and plant
- Assumptions made in respect to contingency plan
- Response time of plant and personnel in regard to contingency plan
- Worst case flow rate of drain down of vessel
- Number of pumps plant procedures allow to perform concurrent maintenance
- activities with the potential to drain the vessel
- Recovery phase.

June 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. 119 RELATED TO SRP
SECTION 05.04 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.

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S. Head

-2-

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Sincerely,

/RA/

Tekia V. Govan, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-012
52-013

eRAI Tracking No. 2570

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

S. Head

-2-

If you have any questions or comments concerning this matter, I can be reached at 301-415-6197 or by e-mail at Tekia.Govan@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Tekia V. Govan, Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos.: 52-012
52-013

eRAI Tracking No. 2570

Enclosure:
Request for Additional Information

cc: William Mookhoek
Richard Bense

Distribution:

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ADAMS Accession No. ML091540515

NRO-002

| | | | | | |
|--------|------------|-----------|------------|------------|------------|
| OFFICE | CIB2/TR | CIB2/BC | NGE2/PM | OGC | NGE2/L-PM |
| NAME | SDowney | NRay | TGovan | SBrock | GWunder |
| DATE | 04/23/2009 | 05/8/2009 | 06/03/2009 | 05/12/2009 | 05/12/2009 |

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

OFFICIAL RECORD COPY

Request for Additional Information No. 2570 Revision 02

**South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 05.04.06 - Reactor Core Isolation Cooling System (BWR)
Application Section: 5.4.6**

QUESTIONS for Reactor System, Nuclear Performance and Code Review (SRSB)

05.04.06-1

Table 5.4-1a in the DCD provided values for NPSH available, NPSH required, and Margin. The applicant replaced these values with a formulation with variables of HF and HST. In Table 5.4-2, NPSH changed from 7.3 m to 7.0 m. Provide justification of the changes and assure that sufficient NPSH margin will be maintained

Enclosure