

PMSTPCOL PEmails

From: Joseph, Stacy
Sent: Thursday, April 22, 2010 2:26 PM
To: 'gscashell@stpegs.com'
Cc: STPCOL
Subject: FW: Request for Additional Information Letter No. 336 Related To SRP Section 14.02 For The South Texas Project Combined License Application
Attachments: ML101120100.pdf

Steve,

FYI. We will be prepared to discuss on May 5 at 9am EST.

Stacy

From: Keith, Felicia
Sent: Thursday, April 22, 2010 2:19 PM
To: Bill Mookhoek; Scott Head; Chappell, Coley
Cc: Joseph, Stacy
Subject: Request for Additional Information Letter No. 336 Related To SRP Section 14.02 For THE South Texas Project Combined License Application

TO: Scott Head

FROM: Stacy Joseph

ADAMS Accession No.: ML101120100

DATE: April 22, 2010

Felicia Keith, Administrative Assistant
U. S. Nuclear Regulatory Commission
MS T-638M
Washington, DC 20555-0001
Felicia.Keith@nrc.gov

Hearing Identifier: SouthTexas34Public_EX
Email Number: 2105

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Subject: FW: Request for Additional Information Letter No. 336 Related To SRP Section 14.02 For The South Texas Project Combined License Application
Sent Date: 4/22/2010 2:26:28 PM
Received Date: 4/22/2010 2:26:30 PM
From: Joseph, Stacy

Created By: Stacy.Joseph@nrc.gov

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

Post Office: HQCLSTR01.nrc.gov

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

April 22, 2010

Mr. Scott Head, Manager
Regulatory Affairs
STP Nuclear Operating Company
P. O. Box 289
Wadsworth, TX 77483

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 336 RELATED TO
SRP SECTION 14.02 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 **45** 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 301-415-2849 or by e-mail at Stacy.Joseph@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Stacy Joseph, Project Manager
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 4581

Enclosures:
Request for Additional Information

cc: William Mookhoek
G. Steve Cashell

S. Head

-2-

If you have any questions or comments concerning this matter, I can be reached at 301-415-2849 or by e-mail at Stacy.Joseph@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA/

Stacy Joseph, Project Manager
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 4581

Enclosures:
Request for Additional Information

cc: William Mookhoek
G. Steve Cashell

Distribution:

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ADAMS Accession No. : ML101120100

NRO-002

OFFICE	CQVB/TR	CQVB/BC	NGE2/PM	OGC	NGE2/L-PM
NAME	FTalbot	JPeralta	SJoseph	AWilson	GWunder
DATE	4/15/2010	4/15/2010	4/15/2010	4/19/2010	4/22/2010

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

Request for Additional Information No. 4581 Revision 3

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

**SRP Section: 14.02 - Initial Plant Test Program - Design Certification and New License
Applicants
Application Section: Section 14.2**

QUESTIONS for Quality and Vendor Branch 2 (ESBWR/ABWR) (CQVB)

14.02-14

Consistent with the guidance in RG 1.206, Regulatory Position C.III.4.3, "Combined License Information Items That Cannot Be Resolved Before the Issuance of a License," the applicant identified in South Texas Project (STP) Units 3 and 4 FSAR Table 13.4S-1, "Operational Programs Required by NRC Regulation and Program Implementation," Item 19, Initial Test Program (ITP) activities that will be subject to a license condition. In addition to the ITP activities identified in Table 13.4S-1, the NRC staff has identified the following post-COL items in FSAR Section 14.2.13, "COL Information Items" as license conditions:

License Conditions for Post Combined License (COL) Items

License Condition for Preoperational and Startup Test Specifications and Procedures, ABWR DCD Section 14.2.13, COL License Information, COL Item 14.2, Items (1) through (4)

During the post-licensing period, preoperational and startup test specification and test procedures will be subject to a license condition for NRC inspections to verify that the licensee implements the ITP. This process will allow for the performance of necessary plant as-built inspections and walk downs. The licensee will make available to on-site NRC inspectors preoperational and startup test specifications and test procedures 60 days prior to their intended use.

License Condition for Preoperational and Startup Test Specifications and Procedures, ABWR DCD Section 14.2.13, COL License Information, COL Item 14.2, Item (5)

Prior to initiating the plant's ITP, a site specific startup administration manual (SAM) (procedures), which includes administrative procedures and requirements that govern the activities associated with the plant ITP is to be provided to on-site NRC inspectors.

License Condition for the Power Ascension Test Phase, ABWR DCD Section 14.2.13, COL License Information, COL Item 14.2, Items (6) and (7)

Certain milestones in the startup testing phase of the ITP (e.g., pre-critical testing, criticality testing, and low-power testing) should be controlled through this license condition to ensure that the designated licensee management reviews, evaluates, and approves relevant test results before proceeding to the power ascension test phase. Accordingly, the licensee shall perform the following:

- (a) Complete all pre-critical and criticality testing and confirm that the test results are within the range of values predicted in the FSAR acceptance criteria. After completing and evaluating criticality test results, the licensee will conduct low-power tests and will operate the facility at reactor steady-state core power levels not in excess of 5 percent power, in accordance with the conditions of the license.

- (b) Complete all low-power testing and confirm that the test results are within the range of values predicted in the acceptance criteria in the facility's FSAR. After completing and evaluating low-power test results, the licensee will conduct power ascension testing and will operate the facility at reactor steady-state core power levels not in excess of 100 percent power, in accordance with the conditions of the license.

The licensee is responsible for the review and evaluation of the adequacy of these test results, as well as final review of overall test results. Test results, which do not meet acceptance criteria, are identified and corrective actions and retests are performed. These results shall be made available to on-site NRC inspectors.

License Condition for the Test Program Schedule, ABWR DCD Section 14.2.13, COL License Information, COL Item 14.2, Item (8)

Prior to initial fuel load, the licensee shall submit a schedule, no later than 12 months after issuance of the COL, and updated every 6 months until 12 months before scheduled fuel loading, and every month thereafter until either the operational program for the ITP in STP COL FSAR Table 13.4S-1, Item 19, has been fully implemented or the plant has been placed in commercial service, whichever comes first. This schedule shall support implementation details of the ITP and planning for the conduct of NRC inspections of operational programs listed in the operational program STP COL FSAR Table 13.4S-1, Item 19.

License Condition for Test Changes

Within one month of any ITP changes described in STP Units 3 and 4 FSAR Section 14.2, the licensee shall evaluate these changes in accordance with the provisions of 10 CFR 50.59 or Section VIII of Appendix A to 10 CFR Part 52 and report them in accordance with 10 CFR 50.59(d).

Please inform the NRC staff as to whether or not the above proposed standard license conditions are considered appropriate to support the STP Units 3 and 4 COL.