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From: Ballinger, Amy [aballinger@STPEGS.COM]
Sent: Monday, April 06, 2009 6:40 PM
To: Adrian Muniz; Belkys Sosa; Dyer, Linda; George Wunder; Loren Plisco; Raj Anand; Rocky Foster; Stacy Joseph; Tekia Govan; Tom Tai
Subject: Response to Request for Additional Information
Attachments: U7-C-STP-NRC-090034_signed .pdf

Attached is a courtesy copy of the cover letter answering the NRC's Request for Additional Information related to the Combined License Application Part 2, Tier 2, Section 6.2 and Appendix 3B.

If you have any questions, please contact Jim Tomkins at (361) 972- 4610 or Bill Mookhoek at (361) 972-7274

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From: Ballinger, Amy

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Nuclear Operating Company
South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

April 6, 2009
U7-C-STP-NRC-090034

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
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11555 Rockville Pike
Rockville, MD 20852-2738

South Texas Project
Units 3 and 4
Docket Nos. 52-012 and 52-013
Response to Request for Additional Information

Attached are responses to NRC staff questions included in Request for Additional Information (RAI) letter number 76 related to Combined License Application (COLA) Part 2, Tier 2, Section 6.2 and Appendix 3B.

Attachments 1 and 2 address the responses to the RAI questions listed below.

RAI 06.02.01.01.C-3
RAI 06.02.01.01.C-5

Attachment 3 identifies the RAI questions that require extensions and includes the reasons for extensions and the date by which each response is expected to be submitted to the NRC staff.

There are no commitments in this letter.

If you have any questions regarding these responses, please contact me at (361) 972-7136, or Bill Mookhoek at (361) 972-7274.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 4/6/09

Scott Head
Manager, Regulatory Affairs
South Texas Project Units 3 & 4

jet

Attachments:

1. Question 06.02.01.01.C-3
2. Question 06.02.01.01.C-5
3. Response Date Extensions for RAI Questions

cc: w/o attachment except*
(paper copy)

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RAI 06.02.01.01.C-3:

QUESTION:

App. 3B, p 3B-1: Reference to ABWR LTR NEDO-33372 has been crossed out. Due Diligence Report Action Item 98 indicates that this report has been replaced with an alternative COLA text. Staff can not identify the replacement text in Revision 2 of the COLA. Please clarify or provide the alternative COLA text.

RESPONSE:

NEDO-33372 provides an updated containment analysis. This report is being replaced by a new Westinghouse containment analysis report. Please see the supplemental response to RAI 06.02.01.01.C-1 for information on the new report and the planned revision to departure STD DEP 6.2-2. The supplemental response to RAI 06.02.01.01.C-1 will be provided on or before April 20, 2009.

No COLA changes are required as a result of this RAI response.

RAI 06.02.01.01.C-5:

QUESTION:

STP FSAR Tier 2, Chapter 3, App. 3B, p. 3B-2: 3B.4.1 (STD DEP 6.2-2) – a statement is made that "Bounding pressure and temperature envelope curves for large, intermediate, and small break LOCAs are used to establish the structural loading conditions in the containment." Provide the reference(s) for these bounding P/T curves, including the reference for the Toshiba proposed STP ABWR P/T transient calculations.

RESPONSE:

The cited statement was added for clarification and did not reflect the changes described in departure STD DEP 6.2-2. However, it is noted that Design Control Document (DCD) Subsection 6.2.1.1.3.3 describes the consideration of variation in the size of the break for several Loss of Coolant Accident (LOCA) conditions. Further, DCD Subsection 6.2.1.1.3.1 summarizes the conclusions of the design evaluation, which is that the Feedwater Line Break (FWLB) results in the maximum drywell pressure, and the Main Steam Line Break (MSLB) results in the maximum drywell temperature. The changes described in Part 7, STD DEP 6.2-2 have no effect on these conclusions. Therefore, the clarifying statement is not necessary and will be deleted from the COLA, and the DCD text that the statement replaced will revert to being incorporated by reference.

Revision of the pressure and temperature curves for FWLB and MSLB associated with STD DEP 6.2-2 are discussed in the supplemental response to RAI 06.02.01.01.C-1 to be submitted by April 20, 2009.

The changes to subsection 3B.4.1 in COLA Revision 2 will be deleted in the next revision of the COLA and subsection 3B.4.1 will be incorporated by reference. The deleted COLA text is highlighted in gray shading as shown below:

~~**3B.4.1 Pressure and Temperature Transients**~~

~~STD DEP 6.2-2~~

~~*A LOCA causes a pressure and temperature transient in the drywell and wetwell due to mass and energy released to the drywell. The severity of this transient loading condition depends upon the type and size of LOCA. Section 6.2 provides pressure and temperature transient data in the drywell* and *wetwell for the most severe LOCA case [design basis accident (DBA)]. This transient data establish the structural loading conditions in the containment.*~~ ~~Bounding pressure and temperature envelope curves for large, intermediate, and small break LOCAs are used to establish the structural loading conditions in the containment.~~

Response Date Extensions for RAI Questions

RAI Question	Reason for Extension	Extended Response Date
06.02.01.01.C-1	Additional time is needed to complete response based on discussions with the NRC on March 3-5, 2009	April 20, 2009
06.02.01.01.C-6	Additional time is needed to complete response based on discussions with the NRC on March 3-5, 2009	April 20, 2009