

September 29, 2011

Mr. Scott Head, Manager
Regulatory Affairs
Nuclear Innovation North America, LLC
4000 Avenue F
Bay City, TX 77414

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 385 RELATED TO
SRP SECTION 03.08.01 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 301-415-8484 or by e-mail at Tom.Tai@nrc.gov or you may contact George Wunder at 301-415-1494 or George.Wunder@nrc.gov.

Sincerely,

/RA Tekia Govan for:/

Tom M. Tai, Senior Project Manager
ABWR Projects Branch
Division of New Reactor Licensing
Office of New Reactors

Docket Nos. 52-012
52-013

eRAI Tracking No. 6042

Enclosure:
Request for Additional Information

cc: William Mookhoek
John Price
Loree Elton

S. Head

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NAME	TSteingass	MNorato	TTai	MSpencer	GWunder
DATE	9/14/11	9/14/11	9/14/11	9/15/11	9/15/11

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

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Request for Additional Information No. 6042 Revision 5

9/15/2011

South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co
Docket No. 52-012 and 52-013
SRP Section: 03.08.01 - Concrete Containment
Application Section: 3.8.1 or 6.6

QUESTION for Component Integrity, Performance, and Testing Branch 2 (ESBWR/ABWR Projects) (CIB2)

03.08.01-11

10 CFR 50.55a(b)(2)(vi) states that licensees may use either the 1992 Edition with the 1992 Addenda or the 1995 Edition with the 1996 Addenda of Subsection IWE and Subsection IWL as modified and supplemented by the requirements in paragraphs (b)(2)(viii) and (b)(2)(ix) of this section when implementing the initial 120-month inspection interval for the containment inservice inspection requirements of this section. In addition, Regulatory Guide 1.206, Section C.III.1, Chapter 3, Section C.I.3.8.3 defines the Inservice Inspection (ISI) Program as an operational program, as described in SECY-05-0197, such that the program and its implementation milestones should be fully described in terms of the scope and level of detail to allow for a reasonable assurance finding of acceptability.

The ABWR DCD states that the Containment ISI requirements are in Section 3.8.1.7 however none are addressed in this section. In addition, Section 6.6 of the DCD does not address ISI of the containment structure in any manner. Similarly, the staff noted that the program describing Containment ISI is not addressed in either of the STP RCOLA Sections 3.8.2 or 6.6. Please discuss the Containment ISI Program in either of these sections in sufficient detail for the staff to obtain a reasonable assurance of the acceptability of the ISI inspections for this structure.