

May 21, 2008

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

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 55 RELATED TO
THE SRP SECTION 09.01.05 FOR THE SOUTH TEXAS COMBINED LICENSE
APPLICATION

Dear Mr. Gibson:

By letter dated September 20, 2007, STP Nuclear Operating Company (STPNOC) 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.

Mr. Gregory Gibson

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If you have any questions or comments concerning this matter, I can be reached at 301-415-1494 or by e-mail at george.wunder@nrc.gov.

Sincerely,

/RA/

George F. Wunder, Senior 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. 289

Enclosure:
Request for Additional Information

cc: William Mookhoek

Mr. Gregory Gibson

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Enclosure:
Request for Additional Information

cc: William Mookhoek

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NRO-002

OFFICE	SBPA/TR	SBPA/BC	OGC	NGE1/L-PM
NAME	GPurciarello	JSegala	SBrock	GWunder
DATE	05/08/08	05/08/08	05/15/08	05/21/08

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

OFFICIAL RECORD COPY

Request for Additional Information
South Texas Project Units 3 and 4
South Texas Project Nuclear Operating Co.
Docket Nos.: 52-012 and 52-013
SRP Section: 09.01.05 - Overhead Heavy Load Handling Systems
Application Section: 9.1.5

QUESTIONS

09.01.05-1

RAI-SRP 9.1.4/9.1.5-SBPB-01 COL License Information Item 9.6 stated that the applicant shall provide a list of all cranes, hoists, and elevators and their lifting capacities, including any limit and safety devices required for automatic and manual operation. Additionally, information was requested on all such equipment describing operating and maintenance procedures, operating and maintenance manuals, system and equipment inspection test plans, load paths and routing plans, QA program to assure implementation and compliance, and operator qualification, training and control program. The applicant responded to the first part of the COL Information Item by stating that this information is vendor specific and will be provided after equipment procurement but before receipt of fuel. Appropriate descriptions will be added with an FSAR amendment in accordance with 10 CFR 50.71 (e) prior to receipt of fuel (COM 9.1-3). The commitment only involves cranes, hoists, and elevators and their lifting capacities be added to the FSAR. Heavy load handling at the plant will begin during plant construction and therefore a heavy load handling program that meets Section 5.1.1 of NUREG 0612 should be in place at the time that heavy load handling begins. The applicant did not respond to the other information requested by the COL Information Item. Information was requested on all such equipment describing operating and maintenance procedures, operating and maintenance manuals, system and equipment inspection test plans, load paths and routing plans, QA program to assure implementation and compliance, and operator qualification, training and control program. The applicant has not provided this information, nor committed to provide the information following equipment procurement. Therefore, the staff requests that the applicant provide the information as requested by COL Information Item 9.6.

09.01.05-2

RAI-SRP 9.1.5-SBPB-02 Standard Review Plan (SRP) 9.1.5 states that cranes designed to the criteria of ASME NOG-1 2004 for a Type 1 crane are acceptable under the guidelines of NUREG-0554 for construction of a single failure-proof crane. Section 9.1.5.1 of the STP 3 and 4 COLA for the Reactor Building Crane specifies ASME NOG-1 without a year of edition. Please specify the edition year in the COLA for ASME NOG-1 and if different than 2004, provide reconciliation between the edition and the 2004 edition.