PMSTPCOL PEmails

From: Tai, Tom
Sent: Tuesday, November 09, 2010 1:30 PM
To: Agles, James
Cc: STPCOL
Subject: SRSB 12-8&9-10 Audit Plan.doc
Attachments: SRSB 12-8&9-10 Audit Plan.doc

Jim,

Please provide any input to the draft plan.

Thanks

Tom Tai
X8484

Hearing Identifier: SouthTexas34Public_EX
Email Number: 2484

Mail Envelope Properties (0A64B42AAA8FD4418CE1EB5240A6FED121A52A87EA)

Subject: SRSB 12-8&9-10 Audit Plan.doc
Sent Date: 11/9/2010 1:29:41 PM
Received Date: 11/9/2010 1:29:43 PM
From: Tai, Tom

Created By: Tom.Tai@nrc.gov

Recipients:
"STPCOL" <STP.COL@nrc.gov>
Tracking Status: None
"Agles, James" <jaagles@STPEGS.COM>
Tracking Status: None

Post Office: HQCLSTR02.nrc.gov

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MESSAGE	98	11/9/2010 1:29:43 PM
SRSB 12-8&9-10 Audit Plan.doc	36462	

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Priority: Standard
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AUDIT PLAN FOR NRC REVIEW OF FUEL POOL CRITICALITY ANALYSIS FOR STPNOC UNITS 3 AND 4 COMBINED LICENSE APPLICATION

APPLICANT:	South Texas Project Nuclear Operating Company (STPNOC)
APPLICANT CONTACT:	Scott Head Bill Mookhoek, at, el
TIME:	9:00 am to 5:00 pm on December 8, 20010 9:00 am to 4:00 pm on December 9, 20010
LOCATION:	Westinghouse Office, Cranberry, PA
REVIEWERS:	Tom Tai (NRO/DNRL/NGE-2) Chris Van Wert (NRO/DSRA/SRSB) Diego Saenz (NRO/ DSRA/SRSB) Amrit Patel (NRO/ DSRA/SRSB)

BACKGROUND

On September 20, 2007, South Texas Project Nuclear Operating Company (STPNOC) submitted to the U.S. Nuclear Regulatory Commission (NRC) a Combined License (COL) application to construct and operate two additional units (Units 3 and 4) based on the U.S. Advanced Boiling Water Reactor (ABWR) Design Control Document (DCD) at the South Texas Project Nuclear Power Plant (STPNPP) site located in the county of Matagorda near Bay City, Texas.

The NRC staff is reviewing the Final Safety Analysis Report (FSAR) provided with the STP Units 3 & 4 COL application that incorporates by reference the ABWR DCD. The Reactor Systems, Nuclear Performance and Code Review Branch (SRSB) proposes to conduct an audit of the fuel pool criticality analysis that was prepared to support the review of FSAR Chapters 9.1.1 and 9.1.2. The NRC staff will perform the audit at the Westinghouse office in Cranberry Township, Pennsylvania. The NRC staff will follow the guidance in NRO Office Instruction NRO-REG-108, “Regulatory Audits,” in performing this audit.

PURPOSE AND APPROACH

The purpose of this audit is to review the details in the supporting documents prepared under the scope of Chapters 9.1.1 and 9.1.2.

To satisfy the required actions in COL License Information Items in Chapter 9.1, STP was requested to provide criticality analysis for the new and spent fuel storage racks as described in Subsections 9.1.6.1 and 9.1.6.3 of the ABWR DCD. As a result, WCAP-17246-P was prepared. The Staff will perform a detailed audit of the referenced WCAP to ensure the methodology, assumptions, modeling, and input parameters are acceptable. As part of the audit, the staff will require access to the supporting documents referenced by WCAP-17246-P and the input/output files used in the analysis.

AUDIT ACTIVITIES AND SCHEDULE

The NRC staff will conclude the audit in two (2) days. The review of technical document and interview with STP responsible engineers will be conducted on December 8 and 9, 2010. Any follow-up actions in response to audit findings will be discussed at the end of December 9. The NRC staff may request an ad-hoc extension of the audit if deemed necessary. Such an extension will be requested before the meeting is adjourned on December 9, 2010, by the NRC staff responsible for the audit.

Following the audit, the NRC staff responsible for the audit will prepare a final audit report. The final report will be made available to all contributors.

The audit agenda is provided in Attachment A.

Please contact Tom Tai at 301-415-8484 or at Tom.Tai@NRC.GOV if you have any questions related to the audit.

Attachment A

Proposed Agenda
NRC STP COLA Criticality Analysis Audit
December 8 and 9, 2010
South Texas Project Nuclear Operating Company

Wednesday, December 8, 2010: Audit - Proprietary

9:00 am - 9:15 am	Entrance / Introduction	[NRC/STPNOC]
9:15 am - 10:30 am	Overview of WCAP-17246-P	[STPNOC]
10:30 am - 10:45 am	Break	
10:45 am - 12:00 pm	Review of WCAP-17246-P	[NRC]
12:00 pm - 1:00 pm	Lunch	
1:00 pm – 4:00 pm	Review of WCAP-17246-P	[NRC]
4:00 pm - 5:00 pm	NRC Caucus….	[NRC]

Thursday, December 9, 2010: Audit - Proprietary

9:00 am - 9:45 am	Introduction/Highlight from December 8	[NRC/STPNOC]
9:45 am - 12:30 pm	Review of WCAP-17246-P	[NRC]
12:30 pm - 1:30 pm	Lunch	
1:30 pm – 2:30 pm	NRC Caucus	[NRC]
2:30 pm - 4:00 pm	Audit Findings Discussion…	[NRC/STPNOC]