November 5, 2008

MEMORANDUM TO: Belkys Sosa, Chief
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

FROM: Rocky Foster, Project Manager ***/RA/***
ESBWR/ABWR Projects Branch 2
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF OCTOBER 15, 2008 MEETING REGARDING THE SOUTH TEXAS PROJECT COLA PROBABILISTIC RISK ASSESSMENT

On October 15, 2008, the U. S. Nuclear Regulatory Commission (NRC) staff held a Category 1 public meeting at NRC Headquarters, 11545 Rockville Pike, Rockville, Maryland, with representatives of STP Nuclear Operating Company (STPNOC). The purpose of the meeting was to have STPNOC provide an overview for the NRC staff and the Public of the Probabilistic Risk Assessment (PRA) for the STP Combined License Application developed jointly by STPNOC and ETRANCO. The meeting agenda is provided as Enclosure 1, the attendees are identified in Enclosure 2, and the list of questions asked by the NRC staff is provided as Enclosure 3.

The meeting summary and the associated meeting notice are available through the Agencywide Documents Access and Management System (ADAMS) as a package at Accession Number ML083150702. ADAMS is the system that provides text and image files of NRC's public documents. Documents are available electronically at the NRC's Electronic Reading Room at http://www.nrc.gov/reading-rm/adams.html. If you do not have access to ADAMS or have problems accessing the documents located in ADAMS, contact the NRC Public Document Room (PDR) staff at 1-800-397-4209, 301-415-4737, or pdr@nrc.gov.

This meeting provided the opportunity for STPNOC to familiarize the staff with the overall purpose of the PRA project, to summarize the Level I and MAAP process and results, and finally to identify the PRA related departures and site-specific information. The meeting consisted of a technical presentation by STPNOC representatives and their contractors. Presentation material for the meeting is available in ADAMS at Accession Number ML082940420. The presentation was followed by a question/answer discussion with the staff on various technical issues as detailed in Enclosure 3. Members of the public were in attendance at this meeting.

Docket Nos: 52-012 and 52-013
Enclosures:

Enclosure 1: Agenda
Enclosure 2: Attendees
Enclosure 3: NRC Questions
cc w/encl: See next page

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cc w/encl: See next page
Distribution: See next page
ADAMS Accession No.: ML082940420 (Presentation Material) ML082940455-Summary
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DATE	11/03/2008	11/03/2008	11/05/2008

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SUBJECT: SUMMARY OF OCTOBER 15, 2008 MEETING REGARDING THE SOUTH TEXAS PROJECT COLA PROBABILISTIC RISK ASSESSMENT DATED NOVEMBER 5, 2008

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MEETING WITH SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY (STPNOC)
OVERVIEW OF THE STP COMBINED LICENSE APPLICATION (COLA)
PROBABILISTIC RISK ASSESSMENT (PRA)

9:00 a.m. – 12:00 p.m.
Wednesday, October 15, 2008

Agenda

TIME	TOPIC
9:00 a.m.	Introduction
9:05a.m.	PRA Presentation by STPNOC o Purpose of PRA Reconstitution o Level 1 Results o MAAP Results o Containment Response o Departures (Plant Changes)
10:45a.m.	Break
11:00a.m.	NRC Staff/STPNOC Open Discussion
11:45a.m.	Opportunity for Public Questions
12:00p.m.	Adjourn

Enclosure 1

MEETING WITH SOUTH TEXAS PROJECT NUCLEAR OPERATING COMPANY (STPNOC)
OVERVIEW OF THE STP COMBINED LICENSE APPLICATION (COLA)
PROBABILISTIC RISK ASSESSMENT (PRA)

October 15, 2008

Attendees List

NAME	ORGANIZATION	NAME	ORGANIZATION
Steve Frantz	Morgan Lewis	Rocky Foster	NRC
Mike Jonzen	AREVA	Ricky Summit	RSC, Inc
Scott Head	STPNOC	Coley Chappell	STPNOC
Raj Anand	NRC	Don Dube	NRC
Bob Jaquith	Westinghouse	Fumio Totsuka	Hitachi GE Nuclear
M. Khatib-Rahbar	ERI	Don Woodlan	Luminant
Joseph Tapia	Mitsubishi	Glenn Kelly	NRC
Michael Benson	NRC-ACRS	Todd Hilsmeir	NRC
Keith Tetter	NRC	John Lai	NRC
Hossein Hamzehee	NRC	Belkys Sosa	NRC
Stacy Joseph	NRC	George Wunder	NRC
Mark Caruso	NRC	Gene Hughes	ETRANCO
Bill Stillwell	STPNOC	Cindy Wheeler	Seed Coalition (via telecon)

Enclosure 2

MEETING WITH STP NUCLEAR OPEARTING COMPANY - OCTOBER 15, 2008
SOUTH TEXAS PROJECT COL APPLICATION -
PROBABLISTIC RISK ASSESSMENT STUDY

NRC Staff Questions and
STPNOC Answers

General Questions:

- Is there any proprietary GE ABWR design information that is needed for the development of the STP PRA? If so, How does STPNOC access such information?

  No proprietary information was used for the PRA model development.

- How do the STP PRA results/insights compare with the GE Design Certification PRA? Are the site-specific/plant-specific features appropriately reflected in the STP PRA results and risk insights?

  The results/insights of STP PRA model were compared closely with those of ABWR DCD. The results are presented in the STP presentation slide #13. Some of the plant specific features are incorporated in the COLA and others will be incorporated in a later date.

- Is the STP PRA a full-scope level-1 and Level-2 PRA? ABWR DCD does not have a shutdown PRA. Does the STP PRA include a shutdown PRA? If not, when will a shutdown PRA be performed?

  The reconstituted level 1 model is submitted in COLA, and the Level-2 model is incorporated by reference to the DCD. STP will gradually incorporate other model enhancements in the STP PRA model prior to the initial fuel load consistent with the requirements of 50.71(h)(2).

  No PRA shutdown model is used in COLA. PRA shutdown evaluation will be performed according to DCD section 19Q.

- Does the STP PRA study include a peer review, and, if not, when will a peer review be performed?

  No, it does not include a peer review. The future PRA model enhancements will be peer reviewed prior to the initial fuel load.

- What is the STP severe accident mitigation strategy? Does it include a system similar to BiMAC, or existing core debris retention methodology in ABWR DCD is utilized?

  The STP severe accident mitigation strategy will follow the description in the ABWR DCD. No debris coolability device is planned.

COL STP Nuclear - South Texas Mailing List (Revised 09/29/2008)

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