

PMSTPCOL PEmails

From: Dinesh Taneja
Sent: Tuesday, October 07, 2008 4:48 PM
To: JerryMauck@verizon.net
Cc: Hulbert Li; Adrian Muniz
Subject: RE: NRC meeting on 23rd
Attachments: STP I&C 2008-10-23 Meeting Notice.pdf; STP 34 IC NRC Mtg Agenda 92508 Draft.doc

Jerry,

Please see my comments on the detailed agenda. We have already issued the public meeting notice with high level agenda (attached).

Thanks..
Dinesh

From: Hulbert Li
Sent: Tuesday, October 07, 2008 9:19 AM
To: Dinesh Taneja
Subject: FW: NRC meeting on 23rd

Dinesh:

Please review the attached Agenda and provide feedback to Jerry Mauck. Thanks.

Hulbert

From: Jerry Mauck [mailto:]
Sent: Tuesday, October 07, 2008 8:59 AM
To: Hulbert Li
Subject: Fw: NRC meeting on 23rd

Hulbert- Attached are two versions of the agend for the meeting on the 23rd. One is detailed and one is high-level which is the one that would be published for the meeting notice. Could you forward to reviewer and provide any comments back to me.

Thanks.
Jerry

Hearing Identifier: SouthTexas34Public_EX
Email Number: 897

Mail Envelope Properties (C56E360E9D804F4B95BC673F886381E71470AEC4DF)

Subject: RE: NRC meeting on 23rd
Sent Date: 10/7/2008 4:48:28 PM
Received Date: 10/7/2008 4:48:31 PM
From: Dinesh Taneja

Created By: Dinesh.Taneja@nrc.gov

Recipients:

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Tracking Status: None
"Adrian Muniz" <Adrian.Muniz@nrc.gov>
Tracking Status: None
"JerryMauck@verizon.net" <JerryMauck@verizon.net>
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Post Office: HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	817	10/7/2008 4:48:31 PM
STP I&C 2008-10-23 Meeting Notice.pdf	108173	
STP 34 IC NRC Mtg Agenda 92508 Draft.doc	39418	

Options

Priority: Standard
Return Notification: No
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October 6, 2008

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

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

SUBJECT: FORTHCOMING MEETING WITH SOUTH TEXAS PROJECT NUCLEAR
OPERATING COMPANY FOR AN OVERVIEW OF THE SOUTH TEXAS
PROJECT COMBINED LICENSE APPLICATION INSTRUMENTATION
AND CONTROLS DESIGN

DATE & TIME: Thursday, October 23, 2008
8:00 a.m. – 12:00 p.m.
Eastern Standard Time (EST)

LOCATION: U.S. Nuclear Regulatory Commission
Two White Flint North
11545 Rockville Pike
Room T-2B1
Rockville, MD 20852

PURPOSE: South Texas Project Nuclear Operating Company (STPNOC) will provide
an overview of the South Texas Project (STP), Units 3 and 4 Combined
License Application Instrumentation and Controls Design.

CATEGORY 1: * This is a Category 1 Meeting. The public is invited to observe this
meeting and will have one or more opportunities to communicate with the
NRC after the business portion, but before the meeting is adjourned.
Members of the public who wish to attend are encouraged to telephone or
e-mail the contact listed below.

Proprietary information may be discussed at certain times during this
meeting. These portions of the meeting will be closed to members of the
public who have not been granted access to the information by the owner
of the information.

CONTACTS: Adrian Muñiz, NRO/DNRL
301-415-4093
Adrian.Muniz@nrc.gov

* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings"
(67 FR 36920), May 28, 2002.

B. Sosa

-2-

PARTICIPANTS: Participants from the NRC include members of the Office of New Reactors Regulation (NRO)

NRC

B. Sosa, NRO
G. Wunder, NRO
A. Muñiz, NRO, et al

STPNOC

S. Head, et al

Docket Nos: 52-012, 52-013

Enclosure:
Agenda

cc w/encl: See next page

B. Sosa

-2-

PARTICIPANTS: Participants from the NRC include members of the Office of New Reactors Regulation (NRO)

NRC

B. Sosa, NRO
G. Wunder, NRO
A. Muñiz, NRO, et al

STPNOC

Scott Head, et al

Docket Nos: 52-012, 52-013

Enclosure:
Agenda

cc w/encl: See next page

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NRC-001

OFFICE	PM:DNRL:NGE2:NRO	LA:DNRL:NGE2:NRO	PM:DNRL:NGE2:NRO
NAME	AMuñiz	BAbeywickrama	GWunder
DATE	10/6/2008	10/3/2008	10/6/2008

OFFICIAL RECORD COPY

Meeting Agenda

SOUTH TEXAS PROJECT, UNITS 3 and 4 COMBINED LICENSE APPLICATION REVIEW INSTRUMENTATION AND CONTROLS DESIGN

Thursday, October 23, 2008
8:00 a.m. – 12:00 p.m.

- 8:00 a.m. Opening Remarks & Introductions
- 8:15 a.m. STPNOC's Presentation
- 9:45 a.m. Break
- 10:00 a.m. NRC Staff Questions
- 11:30 a.m. Opportunity for Public Comments
- 12:00 p.m. Adjourn

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(Revised 09/29/2008)

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Draft Agenda

STP 3&4 I&C - NRC Meeting

October 23, 2008

PURPOSE: Update NRO I&C Branch on the status of STP 3&4 I&C Activities and potential impacts to the I&C Sections of the DCD. The Major changes to the DCD are the Turbine/generator vendor, the I&C platforms and the UHS (also, to a lesser impact, the feedwater configuration and pump power and ESF redundancy for actuation).

DCD I&C Discussion

ABWR Overview- Main Control Room-

Summary of DCD I&C Sections

- Summary of I&C Sections
 - Tier 1: 2.2, 2.7, 2.9, 3.1, 3.4
 - Tier 2: 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.9S
 - Tier 2*: From NUREG 1503
- I&C Architecture
 - Control System Platforms
 - Data Communication
 - ATWS & DAS
- Resolution of I&C issues identified during acceptance review (NRC letter dated November 16, 2007 – ML073200761)

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Departures

Classification: 3 broad types: Corrections, Clarifications, technical changes-

Tier 1-Tie to systems

Tier 2-Tie to systems

Departures from certified design that require prior NRC approval

Departures from certified design that do not require prior NRC approval

Any deviation from the certified design that STP does not consider a "Departure"

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STP 3&4 I&C Discussion-2008

History for this path

Main Control Room Photo

Architecture Drawing

- I&C Systems/Digital Platforms
 - RTIS
 - Basic Configuration
 - Toshiba, TOSDIA - FPGA
 - TOSDIA - FPGA Qualification Acceptance
 - NMS

- Basic Configuration
 - Toshiba, TOSDIA – FPGA
 - OPRM (part of NMS)
- ELCS
 - Basic Configuration
 - Westinghouse, Common – Q
 - SR Displays-Non Safety does not control SR
- Non-Safety
 - Plant Information & Control System – Westinghouse Ovation
 - Special Control Systems – Toshiba, TOSMAP - C2000 and TOSMAP – HCNT; 3rd Party RMS; Packaged Systems; Field Bus-PDN Design protects against Cyber with layers
 - ATWS and DAS
- Communication
 - Essential Communication System
 - Non-essential Communication System

Regulations, Regulatory Guides and Standards

603-1991

Platforms: Common Q, Toshiba FPGA ISG-4; Networks

Cyber Security-

Application software-BTP-14

[I&C DAC Implementation Schedule \(as committed in letter ABR-AE-08000058, dated July 30, 2008\)](#)

Closing

Questions and Comments