



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

February 9, 2012

LICENSEE: STP Nuclear Operating Company

FACILITY: South Texas Project

SUBJECT: SUMMARY OF TELEPHONE CONFERENCE CALL HELD ON JANUARY 10, 2012, BETWEEN THE U.S. NUCLEAR REGULATORY COMMISSION AND STP NUCLEAR OPERATING COMPANY, REGARDING APPLICANT RESPONSES ON ALUMINUM-BRONZE PROGRAMS, FOR THE SOUTH TEXAS PROJECT, UNITS 1 AND 2, LICENSE RENEWAL APPLICATION (TAC. NOS. ME4936 AND ME4937)

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of STP Nuclear Operating Company (STPNOC or the applicant) held a telephone conference call on January 10, 2012, to discuss and clarify issues related to the applicant's responses to requests for additional information (RAIs) on the applicant's aluminum-bronze Aging Management Program (AMP), for the South Texas Project, Units 1 and 2, license renewal application. The telephone conference call was useful in clarifying the applicant's responses and identifying the staff's issues for the RAIs.

Enclosure 1 provides a listing of the participants and Enclosure 2 contains a listing of the issues discussed with the applicant, including a brief description of the status of the items.

The applicant had an opportunity to comment on this summary.

A handwritten signature in black ink, reading "John Daily", is positioned above the typed name.

John Daily, Senior Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosures:
As stated

cc w/encs: Listserv

TELEPHONE CONFERENCE CALL
SOUTH TEXAS PROJECT
LICENSE RENEWAL APPLICATION

LIST OF PARTICIPANTS
JANUARY 10, 2012

PARTICIPANTS	AFFILIATIONS
John Daily	Nuclear Regulatory Commission (NRC)
Bill Holston	NRC
John Wise	NRC
Jinhui Diao	NRC
Arden Aldridge	STP Nuclear Operating Company (STPNOC)
Ken Taplett	STPNOC
Mark Wales	STPNOC
Kevin Regis	STPNOC
Albert McIntyre	STPNOC
Richard Kersey	STPNOC
Michael Garner	STPNOC
Suryant (Sam) Patel	STPNOC
Gary Warner	STARS Center of Business – Worley Parsons

CONFERENCE CALL WITH STPNOC
REGARDING APPLICANT RESPONSES ON ALUMINUM-BRONZE PROGRAMS
STP LICENSE RENEWAL APPLICATION
JANUARY 10, 2012

The U.S. Nuclear Regulatory Commission (NRC or the staff) and representatives of STP Nuclear Operating Company (STPNOC or the applicant) held a telephone conference call on January 10, 2012, to discuss and clarify the applicant's responses to RAIs B2.1.37-1 and B2.1.37-2, related to the license renewal application (LRA).

The participants indicated that the calls were useful in clarifying the questions discussed.

Issues and discussions:

The staff explained its general approach to evaluating the aging management of aluminum - bronze components susceptible to selective leaching in terms of what will be needed:

- Given the large number of aluminum-bronze defects that have gone through-wall and the unknown condition of the underground pipe welds, the staff needs to be able to conclude that the analytical basis of this plant-specific phenomenon is adequate to demonstrate structural integrity throughout the period of extended operation. The applicant's analyses and discussions (in the RAI responses and others if necessary) should demonstrate an adequate basis for why emergent through-wall defects and undiscovered dealloying would be acceptable.
- The program should conduct sufficient inspections to determine the worst-case degradation occurring in the ten-year period prior to the period of extended operation.
- The program should conduct sufficient inspections to confirm that continued degradation during the period of extended operation is fully bounded by the applicant's assumptions.

Discussion revolved around the following topics relative to the responses to RAIs B2.1.37-1 and B2.1.37-2, in order for the staff to better understand the applicant's responses.

- Material properties used in APTECH Calculation 8303381, letter ST-HL-AE-2748, calculation AES-C-1964-1, and calculation AES-C-1630-2
- HL&P Lab Report MT-3512 and its statement about time-dependent crack propagation
- STP Relief requests 44, 42, 37, and 25
- RAI B2.1.37-1 Response Tables 1 and 2
- Acceptance criteria in STP calculations versus American Society of Mechanical Engineers (ASME) Code Section XI design factors
- How the output from the above calculations are used when a selective leaching site is discovered in the plant

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- Number and timing of destructive examinations in relation to confirming degree of selective leaching

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/RA/

John Daily, Senior Project Manager
Projects Branch 1
Division of License Renewal
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

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NAME	YEdmonds	JDaily	DMorey	JDaily
DATE	02/ 09 /12	02/ 09 /12	02/ 09 /12	02/ 09 /12

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Memorandum to File from J. Daily dated February 9, 2012

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