



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

August 4, 2011

LICENSEE: STP Nuclear Operating Company

FACILITY: South Texas Project, Units 1 and 2

SUBJECT: SUMMARY OF JULY 7, 2011, PRE-LICENSING PUBLIC MEETING VIA
CONFERENCE CALL WITH STP NUCLEAR OPERATING COMPANY TO
DISCUSS THE PROPOSED RISK-INFORMED APPROACH TO THE
RESOLUTION OF GSI-191, "ASSESSMENT OF DEBRIS ACCUMULATION ON
PWR SUMP PERFORMANCE" (TAC NOS. ME5358 AND ME5359)

On July 7, 2011, a public meeting via conference call was held between the U.S. Nuclear Regulatory Commission (NRC), and representatives of STP Nuclear Operating Company (STPNOC, the licensee), at NRC Headquarters, Rockville, MD. The meeting notice and agenda, dated June 24, 2011, is located at Agencywide Documents Access and Management System (ADAMS) Accession No. [ML111640211](#). The purpose of the meeting was to discuss the proposed risk-informed approach to the resolution of GSI-191, "Assessment of Debris Accumulation on PWR [pressurized-water reactor] Sump Performance." South Texas Project (STP) is the lead plant and STPNOC plans to submit a license amendment request (LAR) in mid-2012. The licensee met previously with the NRC staff on June 2, 2011, and provided an over-view of its proposed approach. The purpose of the July 7, 2011, conference call was to discuss STPNOC's response to the NRC staff's questions regarding Loss-of-Coolant Accident (LOCA) Frequencies. Computational Fluid Dynamics (CFD) Verification Plans could not be discussed due to the unavailability of the appropriate NRC staff and it was decided that this matter would be discussed in the meeting scheduled for July 26, 2011.

The licensee's presentation slides and additional materials provided for the meeting are located at ADAMS Accession No. [ML111890371](#). A list of meeting attendees is provided in the enclosure to this meeting summary.

Meeting Summary

The licensee provided the copies of the following presentations in advance of the meeting:

1. LOCA Initiating Event Frequencies and Uncertainties (Draft)
2. Development of LOCA Initiating Event Frequencies for South Texas Project GSI-191 (Draft Report)
3. STPNOC Proposed Response to NRC Staff Questions on LOCA Frequency Analysis
4. Flow Chart – Data and Computational Flow Overview (GSI-191 Risk-Informed Closure Project)

However, only item 1 was discussed during the meeting and items 2, 3, and 4 were provided for NRC staff information.

The licensee presented an overview of the methodology proposed to be used for determining LOCA initiating event Frequencies and Uncertainties. The presentation covered the following in more detail:

- LOCA frequencies scope and objectives
- Technical approach
- Step-by-step procedure with examples
- Technical issues to be addressed
- Resolution of NRC staff questions from June 2, 2011, meeting

The NRC staff asked if the detailed analysis performed by STPNOC would have an independent peer review or if would be submitted directly for NRC staff review. The NRC staff stated its concern that the analysis may require a more detailed review by the NRC staff, if an independent peer review is not performed. STPNOC representatives indicated that a Technical Oversight Group (TOG), including industry experts, would perform a peer review before the application is submitted to NRC. The licensee stated that the process used by the TOG would be described in the application. The NRC staff suggested that STPNOC's quality assurance plan may warrant discussions as a subtopic during future pre-licensing meetings. The NRC staff also suggested that the licensee provide a description how the components (especially welds) affected by future repairs and/or maintenance and preemptive weld overlays are treated in the analysis.

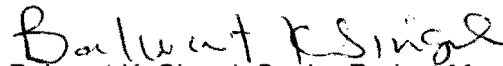
The NRC stated that the staff would review the licensee's materials and may provide additional comments in a future meeting. The NRC staff stated that, as result of a preliminary review, it did not appear that all the NRC staff questions from the June 2, 2011, meeting were addressed. The staff also stated its belief that there would be some additional questions as a result of additional materials presented during the July 7, 2011, meeting.

At the conclusion of the meeting, the NRC staff agreed to review all the materials provided by STPNOC for the July 7, 2011, meeting and provide comments for consideration by STPNOC and possible discussions during a future meeting.

Members of the public were in attendance during the conference call. No Public Meeting Feedback Forms were received.

Please direct any inquiries to me at (301) 415-3016, or Balwant.Singal@nrc.gov.

Sincerely,


Balwant K. Singal, Senior Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure:
List of Attendees

cc w/encl: Distribution via Listserv

LIST OF ATTENDEES

JULY 7, 2011, PRE-LICENSING MEETING

RISK-INFORMED APPROACH TO RESOLUTION OF GSI-191 ISSUE

STP NUCLEAR OPERATING COMPANY

SOUTH TEXAS PROJECT, UNITS 1 AND 2

DOCKET NOS. 50-498 AND 50-499

NAME	TITLE	ORGANIZATION
John Tsao	Senior Materials Engineer	NRC/NRR/DCI/CPNB
Robert Tregoning	Senior Technical Advisor	NRC/RES/DE
Stephen Dinsmore	Senior Reliability Risk Analyst	NRC/NRR/DRA/APLA
Donnie Harrison	Branch Chief	NRC/NRR/DRA/APLA
Balwant K. Singal	Senior Project Manager	NRC/NRR/DORL
Wes Schultz		STPNOC
Sarah Wright	Administrative Assistant	STPNOC
Steve Blossom	Project Manager, Special Projects	STPNOC
Jamie Paul	Licensing	STPNOC
Ernie Kee	Risk Management	STPNOC
Rick Grantom	Manager Risk Project	STPNOC
Karl Fleming*	President	KNF Consulting Services
Tim Sande*	Principal Mechanical Engineer	Alion Science and Technology
Amir Afzali**	Manager	Southern Nuclear
Elmira Popova**	-	University of Texas at Austin
Paul Stevenson**	-	Westinghouse Electric
Nathan Palm**	-	Westinghouse Electric

* Represented STPNOC

**Public

Abbreviations:

NRC – U.S. Nuclear Regulatory Commission
NRR – Office of Nuclear Reactor Regulation
DORL – Division of Operating Reactor Licensing
STPNOC – STP Nuclear Operating Company
DRA – Division of Risk Assessment
APLA – PRA Licensing Branch
DCI – Division of Component Integrity
CPNB – Piping and NDE Branch
RES – Office of Nuclear Regulatory Research
DE – Division of Engineering

Enclosure

Members of the public were in attendance during the conference call. No Public Meeting Feedback Forms were received.

Please direct any inquiries to me at (301) 415-3016, or Balwant.Singal@nrc.gov.

Sincerely,

/ra/

Balwant K. Singal, Senior Project Manager
Plant Licensing Branch IV
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

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DISTRIBUTION:

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ADAMS Accession No. ML111950094

OFFICE	NRR/LPL4/PM	NRR/LPL4/LA	NRR/DSS/SSIB/BC	NRR/DRA/APLA/BC	NRR/LPL4/BC	NRR/LPL4/PM
NAME	BSingal	JBurkhardt	SBailey	DHarrison	MMarkley	BSingal
DATE	7/25/11	7/25/11	7/25/11	7/25/11	8/4/11	8/4/11

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