



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

September 1, 2016

**LICENSEE:** STP Nuclear Operating Company

**FACILITY:** South Texas Project, Units 1 and 2

**SUBJECT:** SUMMARY OF JULY 28, 2016, PUBLIC MEETING WITH STP NUCLEAR OPERATING COMPANY TO DISCUSS THE LICENSE AMENDMENT AND EXEMPTION REQUESTS TO USE A RISK-INFORMED APPROACH TO THE RESOLUTION OF GENERIC SAFETY ISSUE 191, "ASSESSMENT OF DEBRIS ACCUMULATION ON PWR SUMP PERFORMANCE" (CAC NOS. MF2400, MF2401, MF2402, MF2403, MF2404, MF2405, MF2406, MF2407, MF2408, AND MF2409)

On July 28, 2016, a Category 1 public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of STP Nuclear Operating Company (STPNOC, the licensee), at NRC Headquarters, Rockville, Maryland. The meeting notice and agenda, dated July 6, 2016, are located in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML16210A086. A list of meeting attendees is provided in the Enclosure to this meeting summary.

By letter dated June 19, 2013 (ADAMS Package Accession No. ML131750250), as supplemented by letters dated October 3, October 31, November 13, November 21 and December 23, 2013 (two letters); January 9, February 13, February 27, March 17, March 18, May 15 (two letters), May 22, June 25, and July 15, 2014; March 10, March 25, and August 20, 2015; and April 13, May 11, June 9, June 16, July 18, July 21 (two letters), July 28, 2016 (ADAMS Accession Nos. ML13295A222, ML13323A673, ML13323A128, ML13338A165, ML14015A312, ML14015A311, ML14029A533, ML14052A110, ML14072A075, ML14086A383, ML14087A126, ML14149A353, ML14149A354, ML14149A439, ML14178A467, ML14202A045, ML15072A092, ML15091A440, ML15246A125, ML16111B204, ML16154A117, ML16176A148, ML16196A241, ML16209A226, ML16229A189, ML16230A232, and ML16221A393, respectively), STPNOC submitted exemption requests accompanied by a license amendment request for a risk-informed approach to resolve Generic Safety Issue (GSI)-191, "Assessment of Debris Accumulation on PWR [Pressurized-Water Reactor] Sump Performance," at South Texas Project, Units 1 and 2 (STP).

The purpose of this public meeting was to discuss the NRC staff's remaining unresolved concerns associated with the licensee's August 20, 2015, document, which provided information on STPNOC's revised methodology to resolve GSI-191 using a risk combined with a deterministic – 'Risk over Deterministic' or 'RoverD' – methodology. The meeting focused on providing followup information needed, following the request for additional information (RAI) responses provided in the May 11, June 16, July 18, July 21 (two letters), and July 18, 2016, letters.

The STPNOC staff provided a handout titled "STPNOC Public Meeting with NRC to Discuss STPNOC Risk-Informed GSI-191 Licensing Application" and can be found in ADAMS at Accession No. ML16210A044.

The STPNOC handout provided an overview of changes to the application that would be submitted as a supplement at the end of September 2016. The NRC staff then provided additional feedback on the RAI responses for the thermal-hydraulic analyses since the June 22, 2016, public meeting.<sup>1</sup> The NRC stated that over half of the questions were found acceptable. Several questions, however, lacked enough details for the NRC staff to make a safety determination, specifically in the areas of cladding oxide deposition on fuel assemblies, accident scenario progression, debris at fuel grid spacers, initial and boundary conditions for long-term core cooling, validation of closure relationships and the evaluation model, several requested sensitivity studies, and uncertainty and design margin.

The details of these questions will be provided to STPNOC staff as followup RAI questions. STPNOC staff stated that they intended to provide responses to the remaining NRC staff questions in the September submittal. Other issues to be resolved by STPNOC in the September submittal include, a RoverD update including a new critical weld list and updates to small cold-leg breaks greater than 16-inch hot-leg breaks, and double-ended guillotine breaks; technical specification and updated final safety analysis updates; and followup RAI responses. STPNOC stated it would also provide the basis for STPNOC's treatment of epoxy coatings in containment, the boric acid precipitation Westinghouse analysis, and a discussion on the changes to the risk analysis.

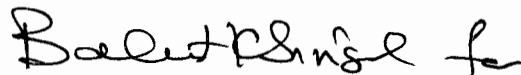
Additionally, risk clarifications needed will be discussed in a public meeting scheduled for August 29, 2016.

The NRC staff will issue additional RAI questions if docketed responses are needed.

There were no public comments or questions and no meeting feedback received.

If you have any questions, please contact me at 301-415-1906 or via e-mail at [Lisa.Regner@nrc.gov](mailto:Lisa.Regner@nrc.gov).

Sincerely,



Lisa M. Regner, Senior Project Manager  
Plant Licensing Branch IV-1  
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

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<sup>1</sup> The June 22, 2016, public meeting summary can be found in ADAMS at Accession No. ML16190A008.

LIST OF ATTENDEES JULY 28, 2016, PUBLIC MEETING  
WITH STP NUCLEAR OPERATING COMPANY  
REGARDING RISK-INFORMED APPROACH TO RESOLUTION OF GSI-191  
SOUTH TEXAS PROJECT, UNITS 1 AND 2  
DOCKET NOS. 50-498 AND 50-499

NAME	ORGANIZATION
Lisa Regner	U.S. Nuclear Regulatory Commission (NRC)
Vic Cusumano	NRC
Josh Kaizer	NRC
Reed Anzalone	NRC
Ashley Smith	NRC
Steven Laur	NRC
Andrea Russell	NRC
Osvaldo Pensado	Southwest Research Institute (contractor for NRC)
Mike Murray	STP Nuclear Operating Company (STPNOC)
Ernie Kee	STPNOC
Wayne Harrison	STPNOC
Steve Blossom	STPNOC
Wes Schulz	STPNOC
Drew Richards	STPNOC
Rodolfo Vaghetto	Texas A&M University
Dominic Muñoz	Alion Science & Technology
Brian Krystek	Engineering Planning Management, Inc.
Craig Sellers	Calvert Cliffs Nuclear Power Plant
Tim Sande	Enercon
Kip Walker	Enercon
Mo Dingler	Wolf Creek Nuclear Operating Company

Enclosure

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**/RA/ Balwant Singal for**  
Lisa M. Regner, Senior Project Manager  
Plant Licensing Branch IV-1  
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

DISTRIBUTION:  
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**ADAMS Accession No. ML16238A527**

per email

OFFICE	NRR/DORL/LPL4-1/PM	NRR/DORL/LPL4-1/LA	NRR/DSS/SSIB/BC*	NRR/DSS/SNPB/BC*
NAME	LRegner	JBurkhardt (PBlechman for)	VCusumano (ARussell for)	JDean
DATE	08/25/16	08/25/16	08/29/16	09/01/16
OFFICE	NRR/DE/ESGB/BC (A)*	NRR/DORL/LPL4-1/BC	NRR/DORL/LPL4-1/PM	
NAME	JPeralta	RPascarelli	LRegner	
DATE	08/29/16	09/01/16	09/01/16	

**OFFICIAL RECORD COPY**

<sup>1</sup> The June 22, 2016, public meeting summary can be found in ADAMS at Accession No. ML16190A008.

Letter to STP Nuclear Operating Company from Lisa M. Regner dated September 1, 2016.

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