



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

September 12, 2022

LICENSEE: STP Nuclear Operating Company

FACILITY: South Texas Project, Units 1 and 2

SUBJECT: SUMMARY OF AUGUST 31, 2022, WEBINAR WITH STP NUCLEAR OPERATING COMPANY TO DISCUSS A PROPOSED LICENSE AMENDMENT REQUEST TO REVISE THE DOSE CONSEQUENCE ANALYSIS FOR MAIN STEAM LINE BREAK AND LOCKED ROTOR ANALYSIS EVENTS FOR SOUTH TEXAS PROJECT, UNITS 1 AND 2 (EPID L-2022-LRM-0063)

On August 31, 2022, an Observation public meeting, conducted as a webinar, was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of the STP Nuclear Operating Company (the licensee). The purpose of the meeting was to discuss a proposed license amendment request to revise the dose consequence analysis for main steam line break (MSLB) and locked rotor analysis (LRA) events for South Texas Project, Units 1 and 2. The revised analysis would increase the cooldown timelines from 8 hours to 28 hours to address the slower cooldown rate in an asymmetric natural circulation scenario. The meeting notice and agenda, dated August 17, 2022, are available in the Agencywide Documents Access and Management System (ADAMS) at Accession No. ML22229A487. A list of attendees is enclosed.

The licensee presented informational slides at the meeting, which can be found in ADAMS at ML22243A131. During the meeting, the licensee described how it plans to reanalyze the MSLB and LRA events with extended cooldown times as a result of asymmetric natural circulation cooldown, which results in less cooling in the steam generators. The licensee also described how it plans to use the dose analysis codes in SNAP/RADTRAD 5.0.2 instead of RADTRAD 3.03. The licensee also identified planned modeling differences. The NRC staff and the licensee discussed the above topics. The NRC staff provided feedback on the information needed for a complete application, including describing how any analytical or modeling differences are consistent with regulatory guidance, in particular, Regulatory Guide 1.183, "Alternative Radiological Source Terms for Evaluating Design Basis Accidents at Nuclear Power Reactors" (ML003716792).

No members of the public called into the meeting. No regulatory decisions or commitments were made at the meeting. Additionally, the NRC staff did not receive Public Meeting Feedback forms.

Please direct any inquiries to me at 301-415-6256 or by email at [Dennis.Galvin@nrc.gov](mailto:Dennis.Galvin@nrc.gov).

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Dennis J. Galvin, Project Manager  
Plant Licensing Branch IV  
Division of Operator Reactor Licensing  
Office of Nuclear Reactor Regulation

Docket Nos. 50-498 and 50-499

Enclosure:  
List of Attendees

cc: Listserv

LIST OF ATTENDEES

AUGUST 31, 2022, PRESUBMITTAL WEBINAR REGARDING

PROPOSED LICENSE AMENDMENT REQUEST TO REVISE THE DOSE CONSEQUENCE

ANALYSIS FOR MAIN STEAM LINE BREAK AND LOCKED ROTOR ANALYSIS EVENTS

STP NUCLEAR OPERATING COMPANY

SOUTH TEXAS PROJECT, UNITS 1 AND 2

U.S. Nuclear Regulatory Commission

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DATE	9/9/2022	9/9/2022	9/8/2022
OFFICE	NRR/DRA/ARCB/BC	NRR/DORL/LPL4/BC	NRR/DORL/LPL4/PM
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DATE	9/8/2022	9/10/2022	9/12/2022

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