



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

July 17, 2024

LICENSEE: Southern Nuclear Operating Company, Inc.

FACILITY: Vogtle Electric Generating Plant, Units 3 and 4

SUBJECT: SUMMARY OF JUNE 17, 2024, OBSERVATION PRE-APPLICATION PUBLIC MEETING HELD WITH SOUTHERN NUCLEAR OPERATING COMPANY, INC., REGARDING A PROPOSED LICENSE AMENDMENT REQUEST TO REVISE TS 3.3.8, "ENGINEERED SAFETY FEATURE ACTUATION SYSTEM," FOR VOGTLE ELECTRIC GENERATING PLANT, UNITS 3 AND 4 (EPID NO. L-2024-LRM-0075)

On June 17, 2024, an Observation, pre-application public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) and representatives of Southern Nuclear Operating Company, Inc. (SNC, the licensee). The purpose of the meeting was for SNC to describe its plan to submit a license amendment request (LAR) for Vogtle Electric Generating Plant (Vogtle), Units 3 and 4. The proposed LAR would remove Technical Specification (TS) 3.3.8, "Engineered Safety Feature Actuation System Instrumentation," Function 17, Source Range Neutron Flux Doubling, MODE 2 Applicability.

A list of attendees is provided as an Enclosure.

On June 4, 2024, the meeting was noticed on the NRC public meeting webpage and in the Agencywide Documents and Access Management System (ADAMS) as Accession No. ML24165A192.

The NRC staff opened the meeting with introductory remarks and a roll call of the attendees.

The SNC representative discussed the following topics: (1) description and purpose of Function 17, (2) current vs proposed TS, (3) reason for the proposed TS change, (4) technical evaluation and justification, (5) regulatory evaluation for the TS change and (6) timeframe of proposed change submittal.

The SNC representative presented slides contained in ML24164A294.

NRC staff questions/comments

- Based on the information described in slide 6 of the presentation, the NRC staff asked if boron dilution blocking was being maintained in MODE 3.
- The NRC staff commented that Subsection 15.4.6.2.5 of the Final Safety Analysis report (FSAR), describes boron dilution event analysis during startup and that in the section description there is no mention of what kind of trip is being used for boron dilution in MODE 2. The NRC staff also asked where it stated that source range is used/credited as a reactor trip.
- The NRC staff commented that FSAR, Subsection 7.3.1.2.14, "Boron Dilution Block," described three conditions that can generate the signal to block boron dilution and that FSAR Table 15.4-1 mentions a low input voltage as a block signal. The NRC staff inquired whether this fell under one of the three conditions.
- The NRC staff questioned how criticality would be assessed and to describe specific steps taken for the approach to criticality.
- The NRC staff noted that the regulatory evaluation discussion on slide 9 focused on 10 CFR 50.36(c)(2)(ii), Criterion 3 for this proposed TS change. The NRC staff noted that all four criteria need to be satisfied to justify the proposed change.
- The NRC staff inquired whether SNC was making any instrumentation and control (I&C) system or design changes as part of the proposed TS change.
- Based on SNC's discussion during the presentation, the NRC staff noted that the submittal will likely also request an editorial change that was not reflected in the slides. The NRC staff noted that the administrative change needs to be addressed in the submittal and public notice of the proposed change(s).

Public Comments

There were no comments/questions from the public during this meeting.

Closing

The NRC staff made no regulatory decisions during the meeting.

Once received, the NRC staff will perform a thorough review of the proposed LAR and make any regulatory decisions in writing in a timely manner. Public Meeting Feedback forms were available, but no comments were received.

The meeting adjourned at 3:45 pm Eastern Standard Time.

Please direct any inquiries to me at Andrea.Johnson@nrc.gov or at 301-415-2890.

/RA/

Andrea Johnson, Project Manager
Plant Licensing Branch, II-1
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Dockets: 52-025 and 52-026

Enclosure: List of Attendees

cc w/encls: Distribution via Listserv

LIST OF ATTENDEES

JUNE 17, 2024, PRE-SUBMITTAL MEETING WITH SOUTHERN NUCLEAR COMPANY

REGARDING A PROPOSED LAR

TO REVISE TECHNICAL SPECIFICATION 3.3.8

“ENGINEERED SAFETY FEATURE ACTUATION SYSTEM INSTRUMENTATION”

VOGTLE ELECTRIC GENERATING PLANT, UNITS 3 AND 4

<u>ATTENDEE</u>	<u>REPRESENTING</u>
Dawnmathews Kalathiveettil	U.S. Nuclear Regulatory Commission (NRC)
Mike Markley	NRC
Bill Truss	NRC
Jo Ambrosini	NRC
Summer Sun	NRC
Jack Zhao	NRC
Gilberto Blas Rodriguez	NRC
Jack Minzer Bryant	NRC
Tarico Sweat	NRC
Nageswara Karipineni	NRC
Bradley Davis	NRC
Gordon Curran	NRC
Ryan Joyce	Southern Nuclear Operating Company (SNC)
Ken Lowery	SNC
Eddie Grant	SNC
Neil Haggerty	SNC
Jason McCrickard	SNC
Adam Joseph Wichman,	SNC
Daniel W Williamson	SNC

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ADAMS Accession No. PKG: ML24164A295
Meeting Notice ML24165A192

Meeting Summary ML24187A001
SNC Slides ML24164A295

OFFICE	NRR/DORL/LPL2-1/PM	NRR/DORL/LPL2-1/LA	NRR/DSS/STSB/BC	NRR/DSS/SNSB/BC
NAME	AJohnson	KGoldstein	SMehta	PSahd
DATE	07/04/2024	07/05/2024	07/10/2024	07/12/2024
OFFICE	NRR/DEX/ELTB/BC	NRR/DSS/SCP/BC	DORL/LPL2-1/BC	DORL/LPL2-1/PM
NAME	JPaige	MValentin	MMarkley	JLamb
DATE	07/15/2024	07/12/2024	07/17/2024	07/17/2024

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