

September 2, 2016

MEMORANDUM TO: Jennifer Dixon-Herrity, Acting Chief
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

FROM: Jordan Hoellman, Project Manager */RA/*
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR
OPERATING COMPANY AND SOUTH CAROLINA ELECTRIC & GAS
ON JUNE 23, 2016

The U.S. Nuclear Regulatory Commission (NRC) staff held a Category 2 public meeting with Southern Nuclear Operating Company (SNC) and South Carolina Electric & Gas (SCE&G) on June 23, 2016. The purpose of the meeting was to discuss issues associated with the safety review of licensing actions for SNC's Vogtle Electric Generating Plant (VEGP) Units 3 and 4, and SCE&G's Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3.

The meeting notice can be found in the Agencywide Documents Access and Management System (ADAMS) under Accession Number ML16141A081. The meeting notice is also posted on the NRC's public website. Enclosures 1 and 2 are the meeting agenda and attendance list for the meeting, respectively. The other documents referenced during the discussion can be found at the ADAMS Accession Numbers given below:

- Non-Proprietary Slides:
In-containment refueling water storage tank (IRWST) – ML16172A169
Minimum Screen Area Change and Containment
Recirculation Screen Protective Plate Dimension
Change
- SNC draft license amendment request (LAR):
Debris Screen Related Dimensions – ML16169A113

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Summary of Meeting:

On June 23, 2016, staff from the NRC conducted a public meeting with representatives from SNC and SCE&G to discuss issues associated with the safety review of licensing actions for SNC's VEGP Units 3 and 4, and SCE&G's VCSNS Units 2 and 3. Specifically, the meeting discussed the proposed changes to the IRWST screen and containment recirculation screen protective plate.

In the open portion of the meeting, the licensees, through their vendor, Westinghouse Electric Company (WEC), walked through the presentation slides, explaining the proposed changes to the IRWST screen and containment recirculation screen protective plate. WEC described that the IRWST minimum screen size is based on the maximum normal residual heat removal system (RNS) flow, which increased from 2320 gallons per minute (gpm) to 2600 gpm in order to account for instrument uncertainty and RNS flow changes from reactor coolant system pressure decreases during a postulated accident. WEC described that the increase in the IRWST minimum screen areas is required to ensure that the design basis for the IRWST screens remains consistent with the results of the screen head loss testing that demonstrated acceptability of the screens and that the proposed increased IRWST screen areas does not increase the risk of debris clogging the screens. The staff asked if the licensees have identified any adverse effect to the RNS flow increase, if RNS flow is preferentially distributed to IRWST screens A and B, and if the analysis performed is still bounding. The licensees confirmed that no adverse effects have been identified, RNS flow was not preferentially distributed to any of the IRWST screens, and that the analysis was bounding. The applicant also clarified that the increase in minimum available screen area does not constitute a physical change, merely a reduction in the margin between the actual screen area and the minimum required by the inspection, test, analysis, and acceptance criteria.

The licensees, through their vendor, WEC, explained the proposed changes to the containment recirculation screen protective plate, noting that the proposed changes include providing additional clearance to facilitate reactor coolant pump maintenance and specifying where measurements will be taken to account for the final location of the plate. WEC stated that the proposed changes do not adversely affect the structural qualification of the containment recirculation protective plate and that the plate remains qualified for its required load combinations. The staff asked when the licensees planned to submit this LAR and if all calculations that support these dimension changes were complete and available for staff audit. The licensees confirmed that the calculations were complete and available and stated that they plan to submit the LAR for staff review in July 2016.

At the end of the open portion of the meeting, there was an opportunity for the public to provide comments and ask questions. All comments and questions were addressed before ending the open portion of the meeting.

In the closed portion of the meeting, the staff and licensees discussed the proprietary figure regarding the proposed containment recirculation screen protective plate dimension change.

Docket Nos.: 052-025, 052-026
052-027, 052-028

Enclosure:
As stated

cc w/encls: See next page

In the closed portion of the meeting, the staff and licensees discussed the proprietary figure regarding the proposed containment recirculation screen protective plate dimension change.

Docket Nos.: 052-025, 052-026
052-027, 052-028

Enclosure:
As stated

cc w/encls: See next page

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ADAMS Accession No. ML16229A331

NRC-001

OFFICE	PM: DNRL/LB4	LA: DNRL/LB4	(A)BC: DNRL/LB4	PM: DNRL/LB4
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DATE	08/30/16	08/30/16	09/01/16	09/01/16

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AGENDA FOR PUBLIC MEETING

U.S. NUCLEAR REGULATORY COMMISSION (NRC)

Thursday, June 23, 2016

9:00 a.m. – 10:30 a.m.

PURPOSE: To discuss issues associated with the safety review of licensing actions for Southern Nuclear Operating Company's (SNC) Vogtle Electric Generating Plant (VEGP) Units 3 and 4, and South Carolina Electric & Gas' (SCE&G) Virgil C. Summer Nuclear Station (VCSNS) Units 2 and 3.

OPEN

<u>Time</u>	<u>Topic</u>	<u>Led By</u>
9:00 a.m.	Opening Remarks	NRC
9:10 a.m.	Discussion on proposed changes to the in-containment refueling water storage tank (IRWST) screen and containment recirculation screen protective plate	NRC/SNC/SCE&G/ Westinghouse Electric Company (WEC)
10:00 a.m.	Opportunity for Public Comment	PUBLIC/NRC

CLOSED

10:05 a.m.	Discussion on proposed changes to the IRWST screen and containment recirculation screen protective plate	NRC/SNC/SCE&G/WEC
10:30 a.m.	Adjourn	

PUBLIC MEETING
UNITED STATES NUCLEAR REGULATORY COMMISSION
Thursday, June 23, 2016
9:00 a.m. – 10:30 a.m.

List of Attendees

Name	Organization
Representing the Nuclear Regulatory Commission	
Chandu Patel	NRO/DNRL/LB4
Billy Gleaves	NRO/DNRL/LB4
Jordan Hoellman	NRO/DNRL/LB4
Jennifer Dixon-Herrity	NRO/DNRL/LB4
Boyce Travis	NRO/DSRA/SCVB
Representing Industry	
Wes Sparkman	Southern Nuclear Operating Company (SNC)
Corey Thomas	SNC
David Jones *	SNC
Kelli Roberts	SNC
April Rice	South Carolina Electric & Gas (SCE&G)
Jerrold Ewing	SCE&G
Nick Kellenberger *	SCE&G
Matthew Kunkle *	SCE&G
Zach Harper	Westinghouse Electric Company (WEC)
Megan Durse	WEC
Tom Kindred *	WEC
Paul Russ	WEC
Representing Public	
Marvin Lewis *	Environmentalists, Inc
Shemetha Jones *	GA Public Service Commission
Ravi Joshi *	Public

* = participated via teleconference

Enclosure 2

Vogtle Units 3 & 4 Mailing List

(Revised 07/13/2016)

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(Revised 03/10/2016)

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