

July 20, 2017

MEMORANDUM TO: Jennifer Dixon-Herrity, 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 MAY 25, 2017

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 May 25, 2017. 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 ML17111A613. 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:

- VEGP Units 3 and 4 Proposed License Amendment Request (LAR), Revision to Natural Circulation and Passive Residual Heat Removal (PRHR) Startup Tests, COL and Tier 2* Markups – ML17135A364
- VCSNS Units 2 and 3 LAR 16-03, Auxiliary Building Roof Rebar Configuration Design, Clarification Questions – ML17132A073

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Summary of Meeting:

On May 25, 2017, 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 (1) pre-submittal information regarding a VEGP Units 3 and 4 LAR to revise the natural circulation and PRHR startup tests, and (2) clarification questions regarding VCSNS Units 2 and 3 LAR 16-03.

The first topic discussed was pre-submittal information regarding a VEGP Units 3 and 4 LAR to revise the natural circulation and PRHR startup tests. SNC sought staff's feedback about whether there would be significant issues with proposing revisions to the license conditions in the COLs to allow an exemption from Technical Specification 3.4.4 during the performance of the natural circulation (for the first plant) test in lieu of proposing revisions to the Technical Specifications in Appendix A of the COLs. The staff noted that since either option would propose the same change, the staff did not see any immediate issues, but the staff noted that there would be no official position until the LAR was submitted and the Office of the General Counsel (OGC) was consulted. The staff also noted that moving the PRHR Heat Exchanger (first plant only) test to power ascension testing involves other Technical Specifications that were not captured in the provided mark-ups. The staff asked SNC to ensure that when the LAR is submitted that all the applicable Technical Specifications are accounted for in the submittal. The staff additionally asked SCE&G if they plan to submit the exact same proposal since the proposed amendment affects first plant tests that only need to be performed on the first AP1000 unit to reach the associated milestone. SCE&G confirmed that they would request the same change.

The second topic discussed was clarification questions regarding VCSNS Units 2 and 3 LAR 16-03. In response to Question 1, SCE&G, through their contractor, Westinghouse Electric Company (WEC), clarified that the transcriptional error in Updated Final Safety Analysis Report (UFSAR) Table 3H.5-10 entirely related to listing governing load combination 6 (LC6) instead of LC7, and that the revised magnitude of forces and required reinforcement was related to the refined analysis discussed in Question 2. In response to Question 2, WEC clarified that the refined analysis affecting the LCs in UFSAR Table 3.8.4-2 consisted of removing Note 1 from the table in Revision 1 to the LAR, which required the LAR to include Safe Shutdown Earthquake (SSE) and thermal loads in the LCs. Revision 0 of the LAR included Note 1 and did not include thermal loads in the LCs. WEC described that there were three refinements incorporated in the analysis: (1) including SSE and thermal loads in the LCs, (2) using a 3D finite element model, and (3) revising the required reinforcement for a more conservative approach. In response to Question 3, WEC clarified that LC3 includes SSE and normal thermal loads and LC7 includes SSE and accident thermal loads, which is expected to be more critical than LC3 since LC7 includes additional accident loads (accident pressure, thermal reactions, etc.).

The staff noted that the provided clarifications were helpful to the staff in understanding what the LAR is requesting and stated that they would revise the clarification questions into requests for additional information (RAIs) that clearly describe what the staff needs on the docket to make the required safety findings.

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

In closed portion of meeting, the staff and the licensees discussed the proprietary details regarding the clarification questions on VCSNS Units 2 and 3 LAR 16-03.

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

Enclosure:
As stated

cc w/encls: See next page

SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR OPERATING COMPANY AND SOUTH CAROLINA ELECTRIC & GAS ON MAY 25, 2017 DATED JULY 20, 2017.

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NRC-001

OFFICE	PM: DNRL/LB4	LA: DNRL/LB4	BC: DNRL/LB4	PM: DNRL/LB4
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DATE	7/18/17	7/18/17	7/20/17	7/18/17

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**AGENDA FOR PUBLIC MEETING
U.S. NUCLEAR REGULATORY COMMISSION (NRC)
Thursday, May 25, 2017**

9:00 a.m. – 11:15 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 and 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
9:05 a.m.	Discussion of pre-submittal information regarding a VEGP Units 3 and 4 License Amendment Request (LAR), Revision to Natural Circulation and Passive Residual Heat Removal (PRHR) Startup Tests	NRC/SNC
9:40 a.m.	Opportunity for Public Comment	PUBLIC/NRC
9:45 a.m.	Discussion of clarification questions regarding VCSNS Units 2 and 3 LAR 16-03, Auxiliary Building Roof Rebar Configuration Changes	NRC/SNC/SCE&G/WEC
10:15 a.m.	Opportunity for Public Comment	PUBLIC/NRC

CLOSED

10:30 a.m.	Discussion of proprietary details regarding clarification questions on VCSNS Units 2 and 3 LAR 16-03	NRC/SNC/SCE&G/WEC
11:15 a.m.	Adjourn	

PUBLIC MEETING
UNITED STATES NUCLEAR REGULATORY COMMISSION
Thursday, May 25, 2017
9:00 a.m. – 11:15 a.m.

List of Attendees

Name	Organization
Representing the Nuclear Regulatory Commission	
Jordan Hoellman	NRO/DNRL/LB4
Billy Gleaves	NRO/DNRL/LB4
Chandu Patel	NRO/DNRL/LB4
Kerri Kavanagh	NRO/DCIP/QVIB3
Bob Tjader	NRR/DSS/STSB
Pravin Patel	NRO/DEIA/SEB
Bhagwat Jain	NRO/DEIA/SEB
Representing Industry	
Amy Chamberlain *	Southern Nuclear Operating Company (SNC)
Eddie Grant *	SNC
Corey Thomas *	SNC
Paige Ridgway *	SNC
Neil Haggerty *	SNC
Tom Hicks *	SNC
Jim Marricci *	SNC
Nick Kellenberger *	South Carolina Electric & Gas (SCE&G)
Mory Diane *	SCE&G
Randolph Copeland *	SCE&G
Jim Mermigos *	Westinghouse Electric Company (WEC)
Si Wu *	WEC
Tod Baker *	WEC
Jeff Costello *	WEC
Representing Public	
Sara Barczak *	Southern Alliance for Clean Energy
Ravi Joshi *	Public
Steve Franzone *	Florida Power & Light Company

* = participated via teleconference

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(Revised 05/25/2017)

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