

October 24, 2016

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 SEPTEMBER 15, 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 September 15, 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 ML16235A280. 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:

- SCE&G draft License Amendment Request (LAR)  
16-10, "Shield Building Roof Changes" – ML16250A275
- Pre-Submittal Presentation for SCE&G LAR 16-10 – ML16259A340
- SCE&G LAR 16-03, "Auxiliary Building Roof  
Rebar Configuration Design" – ML16181A097
- SNC draft LAR 16-025, "Pipe Rupture Hazards and  
Flooding Analyses" – ML16259A032
- Pre-Submittal Presentation for SNC LAR 16-025 – ML16258A023
- SNC LAR 15-017 and SCE&G LAR 13-35, "Common  
Q Platform Upgrade" clarification questions – ML16259A334

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Summary of Meeting:

On September 15, 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 (1) pre-submittal information regarding SCE&G's draft LAR 16-10, "Shield Building Roof Changes;" (2) NRC staff's clarification details regarding SCE&G's LAR 16-03, "Auxiliary Building Roof Rebar Configuration Design;" (3) pre-submittal information regarding SNC's draft LAR 16-025, "Pipe Rupture Hazards and Flooding Analyses;" and (4) NRC staff's clarification questions regarding SNC's LAR 15-017 and SCE&G's LAR 13-35, regarding Common Q Platform Upgrade.

The first topic discussed was pre-submittal information regarding SCE&G's LAR 16-10. SCE&G, through their contractor, Westinghouse Electric Company (WEC), walked through the pre-submittal presentation, discussing the six changes to the shield building roof proposed in this LAR. WEC described that the current size of the radial beams is identified as W36x393, but that size beam is no longer manufactured. Change 1 proposes to change the size of the radial beams to W36x395, a standard beam size that provides equal or better strength. Regarding Change 2, WEC described that the rolled wide flange beams identified in the Updated Final Safety Analysis Report (UFSAR) figures are not available in a material that will satisfy the required impact testing and described the proposed resolution. The staff asked that the LAR specify which parts of the codes are being applied and if a detailed sketch of the design could be provided to demonstrate exactly what changes are being proposed with respect to weld details. Additionally, the staff asked if there would be a test, such as a mock-up, to verify that the proposed joint configuration is adequate and comparable to the original design. The licensees noted that they would consider the staff's comments in preparing the LAR. WEC continued to describe the proposed changes related to Changes 3 through 6 presented in the pre-submittal presentation. The staff noted that the LAR should clearly describe the scope of the proposed changes. SCE&G stated that they would review the draft LAR and make clarifying changes before formally submitting the LAR for staff review.

The second topic discussed was SCE&G's LAR 16-03, regarding the auxiliary building roof rebar configuration design. The staff asked clarification questions regarding the rebar detailing and asked the licensee to clarify why the changes are necessary. SCE&G noted that they would prepare a supplement to the LAR to address the staff's questions.

The third topic discussed was pre-submittal information regarding SNC's LAR 16-025. SNC walked through the pre-submittal presentation, providing an overview of the proposed changes to address mitigation of fire protection system flooding of the auxiliary building identified during completion of the pipe rupture hazards analysis (PRHA). Prior to installation of individual piping segments, the licensees are required (by a License Condition) to complete the as-designed PRHA and flooding analysis for compartments containing those segments. SNC described that the results of the analysis revises the bounding pipe rupture to a circumferential moderate-energy line break in the fire protection system main header loop piping, which determined that significant flooding could occur in the auxiliary building radiologically controlled area. SNC stated that changes to the fire protection system proposed in this LAR are necessary to limit flooding to an acceptable level. The staff provided feedback and asked if any safety-related equipment is affected in the revised PRHA. SNC confirmed that no safety-related equipment is impacted and stated that they will submit the formal LAR after considering the staff's comments.

The fourth topic discussed was staff's clarification questions regarding SNC's LAR 15-017 and SCE&G's LAR 13-35. The staff asked the clarifications questions regarding the responses to the staff's request for additional information. The licensees noted that the UFSAR language has been revised and pointed the staff to the latest revision of the UFSAR. The staff stated that they would review the updated UFSAR language and that a future public meeting will be scheduled to address any additional questions or concerns.

At the end of each topic discussed, 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 meeting.

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

Enclosure:  
As stated

cc w/encls: See next page

The fourth topic discussed was staff's clarification questions regarding SNC's LAR 15-017 and SCE&G's LAR 13-35. The staff asked the clarifications questions regarding the responses to the staff's request for additional information. The licensees noted that the UFSAR language has been revised and pointed the staff to the latest revision of the UFSAR. The staff stated that they would review the updated UFSAR language and that a future public meeting will be scheduled to address any additional questions or concerns.

At the end of each topic discussed, 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 meeting.

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

Enclosure:  
As stated

cc w/encls: See next page

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NRC-001

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DATE	10/21/16	10/20/16	10/24/16	10/24/16

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**AGENDA FOR PUBLIC MEETING  
U.S. NUCLEAR REGULATORY COMMISSION (NRC)  
Thursday, September 15, 2016  
9:00 a.m. – 1:00 p.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.	<u>First Topic:</u>  Discussion on pre-submittal information regarding SCE&G draft License Amendment Request (LAR) 16-10, "Shield Building Roof Changes"	NRC/SCE&G/SNC/ Westinghouse Electric Company
10:15 a.m.	Opportunity for Public Comment	PUBLIC/NRC
10:20 a.m.	<u>Second Topic:</u>  Discussion on SCE&G LAR 16-03, "Auxiliary Building Roof Rebar Configuration Design"	NRC/SCE&G/SNC/WEC
11:00 a.m.	Opportunity for Public Comment	PUBLIC/NRC
11:10 a.m.	<u>Third Topic:</u>  Discussion on pre-submittal information regarding SNC draft LAR 16-025, "Pipe Rupture Hazards and Flooding Analyses"	NRC/SNC/SCE&G/WEC
11:50 a.m.	Opportunity for Public Comment	PUBLIC/NRC
12:00 p.m.	<u>Fourth Topic:</u>  Discussion on SNC LAR 15-017 and SCE&G LAR 13-35, "Common Q Platform Upgrade"	NRC/SNC/SCE&G/WEC
12:45 p.m.	Opportunity for Public Comment	PUBLIC/NRC
1:00 p.m.	Adjourn	

**PUBLIC MEETING**  
**UNITED STATES NUCLEAR REGULATORY COMMISSION**  
**Thursday, September 15, 2016**  
**9:00 a.m. – 1:00 p.m.**

**List of Attendees**

<b>Name</b>	<b>Organization</b>
<b>Representing the Nuclear Regulatory Commission</b>	
Jordan Hoellman	NRO/DNRL/LB4
Jennifer Dixon-Herrity	NRO/DNRL/LB4
Billy Gleaves	NRO/DNRL/LB4
Chandu Patel	NRO/DNRL/LB4
Sunwoo Park	NRO/DEIA/SEB
Jinsuo Nie	NRO/DEIA/SEB
Pravin Patel	NRO/DEIA/SEB
Eric Reichelt	NRO/DEIA/MCB
Luis Betancourt	NRO/DEIA/ICEB
William Roggenbrodt	NRO/DEIA/ICEB
David Curtis	NRO/DEIA/ICEB
Antonio Dias	NRO/DSRA/SPSB
Raul Hernandez	NRO/DSRA/SPSB
Thinh Dinh	NRO/DSRA/SPSB
Chang Li	NRO/DSRA/SPSB
Yueh-Li Li	NRO/DEIA/MEB
Timothy Lupold	NRO/DEIA/MEB
Lauren Kent	NRO/DCIP/HOIB
<b>Representing Industry</b>	
Amy Chamberlain	Southern Nuclear Operating Company (SNC)
Wes Sparkman *	SNC
Adam Quarles	SNC
Jason Redd *	SNC
Eddie Grant	SNC
Paige Ridgway *	SNC
Neil Haggerty *	SNC
Chris Whitfield *	SNC
Mark Wilson *	SNC
Jim Blackmon *	SNC
Stephanie Agee *	SNC
Michelle Jordan *	SNC
Brad Chamberlain *	SNC

<b>Name</b>	<b>Organization</b>
Nick Kellenberger	South Carolina Electric & Gas (SCE&G)
Mory Diane	SCE&G
Stephen Mothena	SCE&G
Dean Kersey *	SCE&G
Anthony Schoedel	Westinghouse Electric Company (WEC)
Si Wu	WEC
Keith Coogler	WEC
Jon Kirkwood *	WEC
Bob Bizzak *	WEC
Rick Paese *	WEC
Jeff Costello *	WEC
Ken Maverick *	WEC
Pete Morris *	WEC
Paul Russ *	WEC
<b>Representing Public</b>	
Ravi Joshi *	Public
Sara Barczak *	Southern Alliance for Clean Energy
Gene Soult *	SC Office of Regulatory Staff
Bill Jacobs *	GDS Associates
Steve Franzone *	Florida Power and Light
Kate Lashay *	GA Public Service Commission
Ruth Thomas *	Environmentalists, Inc.

\* = participated via teleconference

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Revised (09/28/2016)

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(Revised 10/03/2016)

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