

January 31, 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 OCTOBER 27, 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 October 27, 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 ML16299A246. The meeting notice is also posted on the NRC 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:

- Digital Instrumentation and Controls (I&C)  
Inspections, Tests, Analyses, and Acceptance  
Criteria (ITAAC) Completion Talking Points – ML16298A187
- Uncompleted ITAAC Notification (UIN) for  
VEGP Unit 3 ITAAC 2.3.02.14 – ML16272A309
- UIN for VEGP Unit 3 ITAAC 2.5.05.03b – ML16274A292

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Summary of Meeting:

On October 27, 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) digital I&C ITAAC completion for VEGP Units 3 and 4 and VCSNS Units 2 and 3 and (2) two UINs for VEGP Unit 3.

In the open portion of the meeting, the first topic discussed was digital I&C ITAAC completion. The staff walked through the talking points associated with this topic, discussing the four ITAAC that require development, using rigorous design processes, of the AP1000 Protection and Safety Monitoring System (PMS), the PMS Component Interface Module (CIM), and the Diverse Actuation System (DAS). The staff described their position and expectation for the completion of these ITAAC, noting that the ITAAC require that an inspection be performed to support the implementation of the digital I&C components and validate that the process has the necessary rigor and robustness to yield appropriate design outputs and address the complexities of digital I&C design and development. The licensees asked clarification questions to ensure a common understanding of their approach for the PMS, PMS-CIM, and DAS digital I&C ITAAC, including expectations for PMS software maintenance during the Initial Test Program. The staff noted that they will respond to SNC's letter ND-16-0753 (ADAMS Accession No. ML16138A305) in the future to formally document their position regarding digital I&C ITAAC completion.

The second topic discussed was two UINs for VEGP Unit 3. Regarding the UIN for ITAAC 2.3.02.14, the staff noted that they realized that combined license Appendix C Table 2.3.2-2 had been revised in an approved license amendment request, and therefore, their concern was no longer applicable. As submitted, the UIN correctly lists the Line Numbers. Regarding the UIN for ITAAC 2.5.05.03b, the staff noted that the ITAAC Completion Description does not provide sufficient information with respect to installation of the sheathing on the thermocouple wires and that the inspection should not only verify that it is present, but should also verify that it is installed in a manner to be capable of performing its function. SNC noted that the inspection is performed in accordance with the listed references, which would verify that the sheathing on the Thermocouple wires are installed in a manner to be capable of performing its function. The staff noted that the ITAAC Completion Description should specify that as well. SNC stated that they would consider revising the UIN to specify that the inspection confirms that the sheathing is installed in a manner to be capable of performing its function.

At the end of 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 to the closed portion of the meeting.

At the conclusion of the open portion of the meeting, a closed meeting was held with the licensees (SNC and SCE&G) to discuss their security plan related to special nuclear material. All information related to this topic is withheld from public disclosure as Security-Related Information.

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

Enclosure:  
As stated

cc w/encls: See next page

SUBJECT: SUMMARY OF A PUBLIC MEETING WITH SOUTHERN NUCLEAR OPERATING COMPANY AND SOUTH CAROLINA ELECTRIC & GAS ON OCTOBER 27, 2016 DATED JANUARY 31, 2017

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ADAMS Accession Number: ML17005A458

NRO-001

OFFICE	PM: DNRL/LB4	LA: DNRL/LB4	BC: DNRL/LB4	PM: DNRL/LB4
NAME	JHoellman (c)	RButler (c)	JDixon-Herrity (c)	JHoellman (s)
DATE	1/30/17	1/25/17	1/30/17	1/30/17

**OFFICIAL RECORD COPY**

**AGENDA FOR PUBLIC MEETING  
U.S. NUCLEAR REGULATORY COMMISSION (NRC)  
Thursday, October 27, 2016  
9:00 a.m. – 12:00 p.m.**

**PURPOSE:** To discuss issues associated with the safety review of licensing actions for Southern Nuclear Operating Company (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 on digital Instrumentation and Controls (I&C) Inspections, Tests, Analyses, and Acceptance Criteria (ITAAC) Completion	NRC/SCE&G/SNC/WEC
10:00 a.m.	Opportunity for Public Comment	PUBLIC/NRC
10:15 a.m.	Discussion on Uncompleted ITAAC Notification (UIN) for VEGP Unit 3 ITAAC 2.3.02.14 and 2.5.05.03b	NRC/SNC
10:30 a.m.	Opportunity for Public Comment	PUBLIC/NRC

**CLOSED**

10:35 a.m.	Discussion on SNC and SCE&G's security plan related to special nuclear material	NRC/SCE&G/SNC
12:00 p.m.	Adjourn	

**PUBLIC MEETING**  
**UNITED STATES NUCLEAR REGULATORY COMMISSION**  
**Thursday, October 27, 2016**  
**9:00 a.m. – 12:00 p.m.**

**List of Attendees**

Name	Organization
<b>Representing the Nuclear Regulatory Commission</b>	
Jordan Hoellman	NRO/DNRL/LB4
Billy Gleaves	NRO/DNRL/LB4
Chandu Patel	NRO/DNRL/LB4
Jennifer Dixon-Herrity	NRO/DNRL/LB4
Tanny Santos	NRO/DNRL/LB4
Tom Fredette	NRO/DCIP/CIPB
Terry Jackson	NRO/DCIP/QVIB1
David Curtis	NRO/DEIA/ICE
Bill Roggenbrodt *	NRO/DEIA/ICE
Greg Galletti *	NRO/DCIP/QVIB1
Christopher Welch *	NRO/DCIP/HOIB
Ed Kleeh	NRO/DCIP/HOIB
Surinder Arora *	NRO/DCIP/HOIB
Lia Castelli *	R-II/DCO/IB2
Robert Mathis *	R-II/DCO/IB2
Calvin Cheung *	R-II/DCO/IB2
Al Tardiff	NSIR/DSP/FCTSB
Bill Gott	NSIR/DSP/FCTSB
Michael Spencer	OGC/GCHEA/AGCNRP
<b>Representing Industry</b>	
Frederick Willis	Southern Nuclear Operating Company (SNC)
Jason Redd *	SNC
David Woods *	SNC
Bob Hirmanpour *	SNC
Nick Kellenberger	South Carolina Electric & Gas (SCE&G)
Ryder Thompson	SCE&G
April Rice *	SCE&G
Randolph Copeland *	SCE&G
Sarah DiTommaso *	Westinghouse Electric Company (WEC)
Peter Laroy	WEC

<b>Representing Public</b>	
Sara Barczak *	Southern Alliance for Clean Energy
Marvin Lewis *	Environmentalists, Inc
Steve Franzone *	Florida Power and Light
Mary Jaworski *	Duke Energy
Kate Lashay *	GA Public Service Commission

\* = participated via teleconference

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(Revised 11/14/2016)

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(Revised 10/03/2016)

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