

June 17, 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 APRIL 14, 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 April 14, 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 ML16095A156. 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:

- Public Meeting Slides:  
Shield Building Roof Beams – ML16103A172
- Non-Proprietary Submittal:  
NDE for Welds Joining Couplers to Stainless  
and Carbon Steel Embedment Plates – ML16103A174
- Public Meeting Slides:  
NDE for Welds Joining Couplers to Stainless  
and Carbon Steel Embedment Plates – ML16103A175
- NRC staff questions about Cives Stainless  
Steel Test Plan – ML16104A053

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Summary of Meeting:

On April 14, 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) N-line wall tolerances at VEGP follow-up discussion from the April 7, 2016, public meeting, (2) VEGP's and VCSNS's shield building roof beams procurement issues, and (3) nondestructive examination (NDE) for welds joining couplers to stainless and carbon steel embedment plates at VEGP and VCSNS.

In the open portion of the meeting, the first topic discussed was N-line wall tolerances at VEGP. The staff reviewed the qualitative impact assessment on the VEGP global seismic model due to proposed changes to Wall N (ADAMS Accession No. ML16098A314), and as a follow-up to the April 7, 2016, public meeting, noted that they identified no major issues with SNC's proposal. SNC will proceed to submit the license amendment request (LAR), and the NRC staff will perform a more detailed review at that time and if necessary, issue associated requests for additional information (RAIs).

The second topic discussed was the shield building roof beams at the VEGP and VCSNS. The licensees, through their vendor, Westinghouse Electric Company (WEC), walked through the pre-submittal public meeting slides, explaining that the shield building roof beam sizes specified in the licensing basis for VEGP and VCSNS cannot be procured with acceptable material and its test requirements. WEC explained that the proposed resolution for this LAR includes using W36x395 instead of the specified W36x393 for the beams that support the concrete roof of the shield building and allowing built up plate girders to be a substitute for the W36x395 and W36x135 rolled beams. The staff asked about other proposed changes to the shield building and if a global analysis of all the changes has been considered. WEC noted that the cumulative effects of the design changes are being evaluated and that additional design changes are included in this LAR (WEC LAR-74) to describe the impacts on the existing analysis. The staff stated that they did not have any additional questions about this portion of the LAR and that they expect to discuss the LAR in its entirety in a future public meeting.

The third topic discussed was the NDE for welds joining couplers to stainless and carbon steel embedment plates at VEGP and VCSNS. The licensees, through their vendor, WEC, described the nonconformance as, contrary to American Institute of Steel Construction (AISC) N690-1994, Q1.26 magnetic particle (MT) or liquid penetrant (PT) examination requirements, populations of stainless and carbon steel embedment plates were installed at VEGP and VCSNS without requisite NDE having been performed. WEC presented the proposed resolution details, including four LARs (two for VEGP and two for VCSNS), to demonstrate that, while not in conformance with AISC N690-1994 requirements for NDE, the coupler welds are suitable for performing their intended design function. The NRC staff stated that, overall, the licensees presented a credible approach to develop the technical basis for addressing the identified code nonconformance. However, the staff noted that a detailed review of the technical bases supporting the LARs will have to be conducted before determining if they are acceptable.

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 open portion of the meeting.

In the closed portion of meeting, the staff and the licensees discussed the proprietary details regarding NDE for welds joining couplers to stainless and carbon steel embedment plates.

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

Enclosure:  
As stated

cc w/encls: See next page

In the closed portion of meeting, the staff and the licensees discussed the proprietary details regarding NDE for welds joining couplers to stainless and carbon steel embedment plates.

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

Enclosure:  
As stated

cc w/encls: See next page

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NAME	JHoellman (c)	RButler (c)	JDixon-Herrity (c)	JHoellman (s)
DATE	6/16/16	5/10/16	6/16/16	6/17/16

**OFFICIAL RECORD COPY**

## AGENDA FOR PUBLIC MEETING

### U.S. NUCLEAR REGULATORY COMMISSION (NRC)

Thursday, April 14, 2016

9:00 a.m. – 12:00 p.m.

**PURPOSE:** To discuss issues associated with the safety review of licensing actions for Southern Nuclear 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
9:05 a.m.	<u>First Topic:</u>	
	Discussion on VEGP N-line wall tolerances	NRC/SNC/WEC
9:15 a.m.	Opportunity for Public Comment	Public/NRC
9:20 a.m.	<u>Second Topic:</u>	
	Discussion on VEGP's/VCSNS's Shield Building Roof Beams	NRC/SNC/SCE&G/WEC
9:55 a.m.	Opportunity for Public Comment	Public/NRC
10:00 a.m.	<u>Third Topic:</u>	
	Discussion on nondestructive examination (NDE) for welds joining couplers to stainless and carbon steel embedment plates at VEGP and VCSNS	NRC/SNC/SCE&G/WEC
10:25 a.m.	Opportunity for Public Comment	Public/NRC

#### **CLOSED**

10:30 a.m.	Discussion on NDE for welds joining couplers to stainless and carbon steel embedment plates at VEGP and VCSNS	NRC/SNC/SCE&G/WEC
12:00 p.m.	Adjourn	

**PUBLIC MEETING**  
**UNITED STATES NUCLEAR REGULATORY COMMISSION**  
**Thursday, April 14, 2016**  
**9:00 a.m. – 12:00 p.m.**

**List of Attendees**

<b>Name</b>	<b>Organization</b>
<b>Representing the Nuclear Regulatory Commission</b>	
Chandu Patel	NRO/DNRL/LB4
Billy Gleaves	NRO/DNRL/LB4
Jordan Hoellman	NRO/DNRL/LB4
John McKirgan	NRO/DNRL/LB4
Pravin Patel	NRO/DEIA/SEB
Sujit Samaddar	NRO/DEIA/SEB
Sunwoo Park	NRO/DEIA/SEB
Matthew Mitchell	NRO/DEIA/MCB
John Honcharik	NRO/DEIA/MCB
Eric Reichelt	NRO/DEIA/MCB
Sarah Temple *	RII/DCP/Vogtle Resident Inspector
Jinsuo Nie *	NRO/DEIA/SEB
<b>Representing Industry</b>	
Jason Redd	Southern Nuclear Operating Company (SNC)
J. Matt Jones	SNC
Neil Haggerty	SNC
Jim Blackmon *	SNC
Jeremiah Haswell *	SNC
Ryan Henderson *	SNC
April Rice	South Carolina Electric & Gas (SCE&G)
Garrett Sanders *	SCE&G
Justin Bouknight *	SCE&G
Mory Diane *	SCE&G
Zach Harper	Westinghouse Electric Company (WEC)
Tod Baker	WEC
Ryan Menzel	WEC
Jason Hurst	WEC
Meaghan Harding	WEC
Paul Russ	WEC
Anthony Schoedel	WEC
Michael McCullogh	WEC
Marcus Imrich	WEC
Don Lindgren *	WEC

<b>Representing Public</b>	
Sara Barczak *	Clean Energy
Steve Roetger *	GA Public Service Commission
Gene Soult *	SC Office of Regulatory Staff
Ravi Joshi *	Public

\* = participated via teleconference

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(Revised 05/17/2016)

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(Revised 03/10/2016)

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