

September 6, 2012

MEMORANDUM TO: Mark Tonacci, Chief
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

FROM: Ravindra Joshi, Senior Project Manager /RA/
Licensing Branch 4
Division of New Reactor Licensing
Office of New Reactors

SUBJECT: SUMMARY OF PUBLIC MEETINGS WITH SOUTHERN NUCLEAR
OPERATING COMPANY TO DISCUSS LICENSING ACTIONS
RELATED TO THE VOGTLE ELECTRIC GENERATING PLANT UNITS
3 AND 4 ON JULY 19 AND 30, 2012

The U.S. Nuclear Regulatory Commission (NRC) held a public meeting on July 19, 2012, at NRC's Rockville office located in Rockville, Maryland and a second meeting on July 30, 2012 at the Westinghouse Electric Company's Offices in Rockville, Maryland. The NRC Office of New Reactors (NRO) staff met with Southern Nuclear Operating Company (SNC) to discuss the proposed License Amendment Requests (LARs) related to the rebar and the turbine building changes. Specifically, on July 19, 2012, SNC presented its plan for submittal of the LAR related to the rebar issue. SNC presented its technical approach to resolve the issue regarding the Vogtle basemat design. SNC proposed to increase the specified concrete compressive strength of the basemat concrete from 4000 psi to 5000 psi that will reduce the required development length for a given bar diameter. At the July 30, 2012, meeting, SNC presented the draft LAR submittal and the preliminary amendment request (PAR) to resolve the rebar issue. SNC stated its plans to submit the LAR and PAR officially on August 1, 2012, and will be requesting NRC to provide a no-objection letter for the PAR by August 6, 2012, and approve this LAR by October 23, 2012. Later in the meeting, SNC presented the draft submittal for the LAR related to turbine building changes and to structures and layout.

Enclosed are the meeting agenda (Enclosure 1), the meeting attendees list (Enclosure 2) and the technical presentation slides (Enclosure 3) for the July 19, 2012, meeting. Enclosure 3 can be found in the Agencywide Documents Access and Management System (ADAMS) Accession Number ML12201B365. In addition, enclosed are the meeting agenda (Enclosure 4), the meeting attendees list (Enclosure 5) and the draft LAR and PAR submittals (Enclosures 6 and 7 respectively) for the July 30, 2012, meeting. Enclosures 6 and 7 can be found in ADAMS

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(ADAMS Accession Numbers ML12209A023 and ML12212A231). Enclosures 8 (ADAMS Accession Number ML12226A482), 9 and 10 include pre-submittal material for LAR 12-006, turbine building changes. Enclosures 9 and 10 contain security related information and as such are withheld from public disclosure.

Discussion

The purpose of the July 19, 2012, meeting was for SNC to present and discuss in detail its proposal to resolve issues related to the basemat design. SNC's discussion included:

- Background/Introduction
- Vogtle Basemat Design
- Proposed Licensing Approach
- Impacts of Change
- Conclusion

At the July 30, 2012 meeting SNC discussed the content of the LAR and PAR for the basemat concrete/rebar details. The requested amendment (Departure) will increase the concrete specified compressive strength for the nuclear island basemat (the nominal 6 foot thick, cast in place, reinforced concrete foundation for the nuclear island structures, consisting of containment, shield building, and auxiliary building) and removal of an unnecessary reinforcement design detail. The description of the basemat concrete in updated final safety analysis report (UFSAR) Subsection 3.8.4.6.1.1 as having a specified compressive strength of 4000 psi is proposed to be revised to require a 5000 psi specified compressive strength for the basemat under the nuclear island. In addition, SNC proposes to revise USFSAR Figure 3H.5-3 by removing the 0" dimension in the portion of the figure showing the basemat below the wall. SNC stated that the requested departures are necessary to address the ACI 349 required development length of the reinforcement bar in the nominal six foot thick portion of the nuclear island basemat.

Later in the meeting, SNC presented the draft submittal for LAR related the turbine building changes to structures and Layout.

The NRC staff raised a number of questions for clarification throughout the presentation on the both LARs presentation. SNC stated that it will be addressing the NRC's questions in its submittals and expects to submit the LAR and PAR for the rebar issue by August 1, 2012. SNC did not provided any specific submittal date for LAR related to the turbine building changes.

Docket Nos: 052-025
052-026

Enclosures:
As stated

cc w/encls: See next page

M. Tonacci

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The NRC staff raised a number of questions for clarification throughout the presentation on the both LARs presentation. SNC stated that it will be addressing the NRC's questions in its submittals and expects to submit the LAR and PAR for the rebar issue by August 1, 2012. SNC did not provided any specific submittal date for LAR related to the turbine building changes.

Docket Nos: 052-025
052-026

Enclosures:
As stated

cc w/encls: See next page

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ML12229A347 - Package

ML12195A093 and ML12201A189 - Meeting Notices

ADAMS Accession No.: ML12229A360 - Meeting Summary NRC-001

OFFICE	LA: DNRL/LB4	PM: DNRL/LB4	BC: DNRL/LB4
NAME	RButler	RJoshi	MTonacci
DATE	08/31/2012	09/04/2012	09/04/2012

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AGENDA FOR PUBLIC MEETING
UNITED STATES NUCLEAR REGULATORY COMMISSION (NRC)
and
Southern Nuclear Operating Company (SNC)

July 19, 2012

8:30 a.m. – 11:00 a.m.

PURPOSE: To discuss the resolution of issues to support the safety review of Southern Nuclear Operating Company's licensing actions for Vogtle Electric Generating Plant Units 3 and 4.

Time	Topic	Led By
8:00 a.m. -8:35 a.m.	Opening remarks	NRC
8:35 a.m. - 10:40 a.m.	Discussion of Issues	SNC/NRC
10:40 a.m. - 11:00 a.m.	Conclusions/Document actions	NRC
11:00 a.m.	Adjourn	

**U.S. Nuclear Regulatory Commission (NRC)
Southern Nuclear Operating Company (SNC)
Public Meeting—July 19, 2012
List of Attendees**

Name	Organization
R. Joshi	NRC/NRO/DNRL
A. Masters	NRC/NRO/DNRL
M. Brown	NRC/NRO/DCIP
J. Beardsley	NRC/NRO/DCIP
M. Tonacci	NRC/NRO/DNRL
P. Patel	NRC/NRO/DE
B. Tegeler	NRC/NRO/DE
M. Shams	NRC/NRO/DE
D. McGovern	NRC/NRO/DNRL
K. O'Donohue	NRC/Region II
B. Davis	NRC/Region II
A. Ponko	NRC/Region II
A. Aughtman	Southern Nuclear Operating Company (SNC)
T. McCallum	SNC
G. Becker	SNC
W. Sparkman	SNC
C. Pierce-via phone	SNC
W. Poppell	Shaw
J. Detwiller	Shaw
T. Clements-via phone	Alliance for Nuclear Accountability
T. Lee-via phone	MNE
Rolf Ziesing	Westinghouse Electric Company (W)
M. Corletti	W
T. Baker	W
K. Moore	W
K. Kugler	W
B. Genes	W
D. Lindgren	W
K. Moore	W
L. Kass	W

AGENDA FOR PUBLIC MEETING
UNITED STATES NUCLEAR REGULATORY COMMISSION

Monday, July 30, 2012

9:00 a.m. – 3:00 p.m.

PURPOSE: To discuss resolution of issues to support the safety review of Southern Nuclear Operating Company's licensing actions for Units 3 and 4.

<u>Time</u>	<u>Topic</u>	<u>Led By</u>
9:00 a.m. – 9:10 a.m.	Opening Remarks	NRC
9:10 a.m. – 12:00 p.m.	Discussion of Issues	NRC/SNC
12:00 p.m. – 1:00 p.m.	Break	
1:00 p.m. – 2:40 p.m.	Continued – Discussion of Issues	NRC/SNC
2:40 p.m. – 3:00 p.m.	Conclusion/Document Actions	NRC
3:00 p.m.	Adjourn	

Enclosure 4

**U.S. Nuclear Regulatory Commission (NRC)
Southern Nuclear Operating Company (SNC)
Public Meeting—July 30, 2012
List of Attendees**

Name	Organization
R. Joshi	NRC/NRO/DNRL
A. Masters	NRC/NRO/DNRL
M. Brown	NRC/NRO/DCIP
M. Valentin	NRC/NRO/DE
M. Tonacci	NRC/NRO/DNRL
R. Vettori	NRC/NRO/DSRA
B. Tegeler	NRC/NRO/DE
M. Shams	NRC/NRO/DE
D. McGovern	NRC/NRO/DNRL
A. Aughtman	Southern Nuclear Operating Company (SNC)
T. McCallum	SNC
G. Becker	SNC
E. Grant	SNC
C. Pierce	SNC
B. Meadors	SNC
N. Haggerty	SNC
T. Clements-via phone	Alliance for Nuclear Accountability
T. Lee-via phone	MNE
T. Ray	Westinghouse Electric Company (<u>W</u>)
F. Verge	<u>W</u>
K. Moore	<u>W</u>
K. Kugler	<u>W</u>
D. Lindgren	<u>W</u>
W. Freebairn	Platts/ Nucleonics week

Enclosure 5

Vogtle Units 3 & 4 Mailing List

(Revised 08/14/2012)

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