

## VoglecolRAIsPEm Resource

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**From:** Minarik, Anthony  
**Sent:** Monday, October 07, 2013 3:49 PM  
**To:** VoglecolRAIsPEm Resource  
**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 1 RELATED TO SNC LICENSE AMENDMENT REQUEST (LAR) 13-018: MODULE CA-03 DETAILS FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND 4 COMBINED LICENSES  
**Attachments:** RAI Letter No-1 LAR 13-018 (CMB).docx

**Hearing Identifier:** Vogtle\_COL\_eRAIs  
**Email Number:** 89

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**Subject:** REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 1 RELATED TO  
SNC LICENSE AMENDMENT REQUEST (LAR) 13-018: MODULE CA-03 DETAILS FOR THE VOGTLE  
ELECTRIC GENERATING PLANT UNITS 3 AND 4 COMBINED LICENSES

**Sent Date:** 10/7/2013 3:48:43 PM

**Received Date:** 10/7/2013 3:48:44 PM

**From:** Minarik, Anthony

**Created By:** Anthony.Minarik@nrc.gov

**Recipients:**

"VogtlecolRAIsPEm Resource" <VogtlecolRAIsPEm.Resource@nrc.gov>

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**Options**

**Priority:** Standard

**Return Notification:** No

**Reply Requested:** No

**Sensitivity:** Normal

**Expiration Date:**

**Recipients Received:**

October 7, 2013

Mr. B. L. Ivey, Vice President  
Regulatory Affairs  
Southern Nuclear Operating Company, Inc.  
40 Inverness Center Parkway, B022  
Birmingham, AL 35242

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 1 RELATED TO  
SNC LICENSE AMENDMENT REQUEST (LAR) 13-018: MODULE CA-03  
DETAILS FOR THE VOGTLE ELECTRIC GENERATING PLANT UNITS 3 AND  
4 COMBINED LICENSES

Dear Mr. Ivey:

In accordance with the provisions of 10 CFR 50.90, by letter dated July 15, 2013, Southern Nuclear Operating Company (SNC) submitted for approval license amendment request (LAR) 13-018 to the U.S. Nuclear Regulatory Commission (NRC) for its Vogtle Electric Generating Plant (VEGP) Units 3 and 4 Combined licenses (Licenses Nos. NPF-91 and NPF-92, respectively). The NRC staff is performing a detailed review of this LAR to enable the staff to reach a conclusion on the safety of the proposed LAR.

The NRC staff has identified that additional information is needed to continue portions of the review. The staff's request for additional information (RAI) is contained in the enclosure to this letter.

To support the review schedule, you are requested to respond within 30 days of the date of this letter. If changes are needed to the safety analysis report, the staff requests that the RAI response include the proposed wording changes.

B. L. Ivey

If you have any questions or comments concerning this matter, you may contact me at 301-415-6185 or [anthony.minarik@nrc.gov](mailto:anthony.minarik@nrc.gov), or you may contact Dave Jaffe at 301-415-1439 or [david.jaffe@nrc.gov](mailto:david.jaffe@nrc.gov).

Sincerely,

**/RA/**

Anthony Minarik, Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-25  
52-26

eRAI Tracking No: 7272

Enclosure:  
Request for Additional Information

CC: see next page

B. L. Ivey

If you have any questions or comments concerning this matter, you may contact me at 301-415-6185 or [anthony.minarik@nrc.gov](mailto:anthony.minarik@nrc.gov), or you may contact Dave Jaffe at 301-415-1439 or [david.jaffe@nrc.gov](mailto:david.jaffe@nrc.gov).

Sincerely,

**/RA/**

Anthony Minarik, Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos. 52-25  
52-26

eRAI Tracking No: 7272

Enclosure:  
Request for Additional Information

CC: see next page

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**NRO-002**

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DATE	9/16/2013	10/5/2013	10/7/2013

**\*Approval captured electronically in the electronic RAI system.**

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**VEGP 3 and 4 LAR 13-018: Module CA-03 Details**  
**Southern Nuclear Operating Co.**  
**Docket No. 52-025 and 52-026**  
**Review Section: 06.01.01 - Engineered Safety Features Materials**

In LAR-13-018, Enclosure 1, the licensee requests to depart from approved AP1000 Design Certification Document (DCD) Tier 2\* information related to the IRWST angle stiffeners. Specifically, the licensee requests to delete references to the IRWST stiffener material. UFSAR Figure 3.8.3-8 sheet 3 shows stainless steel as being used for the stiffeners while UFSAR Section 3.8.3.1.3 states that the angle stiffeners are carbon steel. The licensee indicated, during a public meeting at NRC Headquarters on August 29, 2013, that the stiffeners will be carbon steel. The staff requests that the licensee provide the following additional information.

**QUESTIONS:**

**06.01.01-1**

Enclosure 1 states that where carbon steel is used inside of containment, paint or other coatings are required for corrosion protection. The staff requests that the licensee state whether the carbon steel stiffeners are accessible for inspection (where they are not embedded in concrete). In addition, explain what inspections, if any, will be performed during the life of the plant to ensure that paint or coating failures will not result in degradation of carbon steel stiffeners.

**06.01.01-2**

UFSAR, Table 6.1-1 indicates that duplex stainless steel (UNS S32101) or Type 304 stainless steel will be used to fabricate the IRWST. UFSAR Section 6.1.1.3 indicates that duplex stainless steel (UNS S32101) will be used to fabricate the IRWST walls. There appears to be an inconsistency between Table 6.1-1 and UFSAR Section 6.1.1.3. In addition, neither Table 6.1-1 nor Section 6.1.1.3 list carbon steel as a material used to fabricate the IRWST walls. The staff considers the stiffeners to be part of the IRWST walls. Therefore, the staff requests that the licensee address the aforementioned inconsistency and include the material specification and grades for stiffeners used in the IRWST walls in the Updated Final Safety Analysis Report (UFSAR) Table 6.1-1 and Section 6.1.1.3.

**06.01.01-3**

UFSAR Section 6.1.1.3 indicates Type 2209 duplex stainless steel weld filler material will be used to weld the IRWST. Dissimilar welding of duplex stainless steel to carbon steel can be problematic due to the potential formation of martensite in the weld when high levels of ferritic base material are diluted into the weld. The staff requests that the licensee provide a detailed description and justification for weld filler metal selection when welding carbon steel stiffeners to the outside of the IRWST wall and provide appropriate modifications to UFSAR Section 6.1.1.