

## SummerRAIsPEm Resource

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**From:** Gleaves, Bill  
**Sent:** Wednesday, August 10, 2016 2:31 PM  
**To:** Redd, Jason P.  
**Cc:** Patel, Chandu; SummerRAIsPEm Resource; Dixon-Herrity, Jennifer; Haggerty, Neil  
**Subject:** Acceptance of SNC Licensing Submittal for Vogtle 3 & 4 - LAR 16-007, "Add Density Compensation RTS RCS Flow Measurement" (WEC126)  
**Attachments:** ML16223A775.pdf

Mr. Redd,

Please see ADAMS ML16223A775 (a copy is attached) for our acceptance of your subject LAR. This is the record of NRC's acceptance and will not be followed by a paper copy. A pdf copy of the document, found in ADAMS as listed above, is attached.

The review will be charged to code RT5006.

If you have any questions, please contact me or your Lead Project Manager, Chandu Patel.

Billy  
William (Billy) Gleaves  
Lead Project Manager for  
V.C. Summer Units 2 and 3  
Licensing Branch 4  
US NRC, Office of New Reactors

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**Hearing Identifier:** Summer\_COL\_eRAIs  
**Email Number:** 181

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**Subject:** Acceptance of SNC Licensing Submittal for Vogtle 3 & 4 - LAR 16-007, "Add Density Compensation RTS RCS Flow Measurement" (WEC126)  
**Sent Date:** 8/10/2016 2:31:17 PM  
**Received Date:** 8/10/2016 2:31:22 PM  
**From:** Gleaves, Bill

**Created By:** Bill.Gleaves@nrc.gov

**Recipients:**

"Patel, Chandu" <Chandu.Patel@nrc.gov>  
Tracking Status: None  
"SummerRAIsPEm Resource" <SummerRAIsPEm.Resource@nrc.gov>  
Tracking Status: None  
"Dixon-Herrity, Jennifer" <Jennifer.Dixon-Herrity@nrc.gov>  
Tracking Status: None  
"Haggerty, Neil" <X2NHAGGE@SOUTHERNCO.COM>  
Tracking Status: None  
"Redd, Jason P." <JPREDD@southernco.com>  
Tracking Status: None

**Post Office:** HQPWMSMRS05.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>
MESSAGE ML16223A775.pdf	941 191306	8/10/2016 2:31:22 PM

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

## SummerRAIsPEm Resource

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**From:** Gleaves, Bill  
**Sent:** Wednesday, August 10, 2016 1:49 PM  
**To:** SummerRAIsPEm Resource  
**Cc:** Patel, Chandu  
**Subject:** Vogtle LAR-16-007 Density Compensation RTS Acceptance Letter.docx  
**Attachments:** Vogtle LAR-16-007 Density Compensation RTS Acceptance Letter.docx

Sending to add Vogtle acceptance letter to NRC ADAMS system.

**Hearing Identifier:** Summer\_COL\_eRAIs  
**Email Number:** 180

**Mail Envelope Properties** (8c67f0cf32144e78b17030e3c0057003)

**Subject:** Vogtle LAR-16-007 Density Compensation RTS Acceptance Letter.docx  
**Sent Date:** 8/10/2016 1:48:40 PM  
**Received Date:** 8/10/2016 1:48:41 PM  
**From:** Gleaves, Bill

**Created By:** Bill.Gleaves@nrc.gov

**Recipients:**

"Patel, Chandu" <Chandu.Patel@nrc.gov>  
Tracking Status: None  
"SummerRAIsPEm Resource" <SummerRAIsPEm.Resource@nrc.gov>  
Tracking Status: None

**Post Office:** HQPWMSMRS05.nrc.gov

<b>Files</b>	<b>Size</b>	<b>Date &amp; Time</b>	
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Vogtle LAR-16-007 Density Compensation RTS Acceptance Letter.docx			33098

**Options**

**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

August 10, 2016

Mr. Brian H. Whitley, Director  
Regulatory Affairs  
Southern Nuclear Operating Company, Inc.  
42 Inverness Center Parkway  
BIN B237  
Birmingham, AL 35242

SUBJECT: ACCEPTANCE REVIEW OF SOUTHERN NUCLEAR OPERATING COMPANY'S LICENSE AMENDMENT REQUEST (LAR 16-007) FOR THE VOGTLE ELECTRIC GENERATING PLANT, UNITS 3 AND 4 — ADD DENSITY COMPENSATION TO REACTOR TRIP SYSTEM (RTS)

Dear Mr. Whitley:

By letter dated May 27, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16148A6319), Southern Nuclear Operating Company (SNC/licensee) submitted a license amendment request (LAR) for Combined License Numbers NPF-91 and NPF-92, for the Vogtle Electric Generating Plant, Units 3 and 4, respectively. The requested amendment proposes to depart from UFSAR text by adding compensation, for changes in reactor coolant density using the  $\Delta T$  power signal, to the reactor coolant flow input signal for the low reactor coolant flow trip function of the Reactor Trip System (RTS). Additionally, Technical Specification (TS) Surveillance Requirement (SR) 3.3.1.3 is added to the surveillances required for the Reactor Coolant Flow-Low reactor trip in TS Table 3.3.1-1, Function 7.

The purpose of this letter is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of the LAR. The acceptance review was performed to determine if there is sufficient technical information in scope and depth to allow the NRC staff to complete its detailed technical reviews. The acceptance review is also intended to identify whether the application has any readily apparent information insufficiencies in its characterization of the regulatory requirements or the licensing basis of the plant.

Consistent with Section 50.90 of Title 10 of the *Code of Federal Regulations* (10 CFR), an amendment to the license must fully describe the changes requested, and follow as far as applicable, the form prescribed for original applications. Section 52.79 of the 10 CFR addresses the content of technical information required. This section stipulates that the submittal address the design and operating characteristics, unusual or novel design features, and principal safety considerations.

The NRC staff has reviewed your application and concluded that it does provide technical information in sufficient detail to enable the NRC staff to complete its detailed technical review and make an independent assessment regarding the acceptability of the proposed amendment in terms of regulatory requirements and the protection of public health and safety and the environment.

Given the lesser scope and depth of the acceptance review as compared to the detailed technical review, there may be instances in which issues that impact the NRC staff's ability to complete the detailed technical review are identified despite completion of an adequate acceptance review. You will be advised of any further information needed to support the NRC staff's detailed technical review by separate correspondence.

If you have any questions, please contact me at (301) 415-3025 or [Chandu.Patel@nrc.gov](mailto:Chandu.Patel@nrc.gov).

Sincerely,

**/RA/**

Chandu Patel, Senior Project Manager  
Licensing Branch 4  
Division of New Reactor Licensing  
Office of New Reactors

Docket Nos.: 52-025  
52-026

cc: See next page