

**Lee, Erika**

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**From:** Thadani, Mohan  
**Sent:** Thursday, July 18, 2013 11:30 AM  
**To:** O'Farrill, Jorge  
**Subject:** Amendment Request to Revise the Plant shutdown margin.-TAC No. MF2325

Dear Mr. O'Farrell:

The NRC staff has reviewed the subject license amendment request for acceptance for a detailed technical review. Based in its review, the NRC staff concludes that the LAR is acceptable for detailed review. Our acceptance review is documented below.

Best regards,

**Mohan C Thadani**

Senior Project Manager  
FitzPatrick, Ginna, and Constellation Fleet  
Plant Licensing Branch I-1  
Division of Operating Reactor Licensing  
Office of Nuclear Reactor Regulation  
(301) 415-1476 [Mohan.Thadani@nrc.gov](mailto:Mohan.Thadani@nrc.gov)

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Mr. Jeffrey Forbes,  
Executive Vice President, Nuclear Operations and CNO  
Entergy Nuclear Operations, Inc.  
James A. FitzPatrick Nuclear Power Plant  
P.O. Box 31995  
Jackson, MS 39286-1995

**SUBJECT: JAMES A. FITZPATRICK NUCLEAR POWER PLANT – ACCEPTANCE REVIEW  
CONCERNING REQUEST FOR AMENDMENT TO REVISE THE DEFINITION OF  
SHUTDOWN MARGIN (TAC NO. MF2325)**

Dear Sir or Madam:

By letter dated June 7, 2013 (ML13171A008), James A. FitzPatrick Nuclear Power Plant, LLC, (the Licensee), submitted a license amendment request (LAR) to revise the Technical Specification definition of shutdown margin (SDM) to require calculation of the SDM at a reactor moderator temperature of 68 degrees F or higher that represents the most reactive state throughout the Operating Cycle. This change is needed to address new boiling Water reactor fuel designs which may be more reactive at shutdown temperatures above 68 degrees F.

The purpose of this email is to provide the results of the U.S. Nuclear Regulatory Commission (NRC) staff's acceptance review of this amendment request. 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 review. 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 (including the technical specifications) must fully describe the changes requested, and following as far as applicable, the form prescribed for original applications. Section 50.34 of 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 staff to proceed with 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. If additional information is needed for the staff to complete its technical review, you will be advised by separate correspondence.

*Mohan C Thadani*

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