

## NRR-PMDAPEm Resource

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**From:** Lingam, Siva  
**Sent:** Thursday, September 05, 2013 4:09 PM  
**To:** Frehafer, Ken (Ken.Frehafer@fpl.com)  
**Cc:** Broaddus, Doug; Jackson, Christopher; Elliott, Robert; Huang, Tai; Grover, Ravinder  
**Subject:** St. Lucie Units 1 and 2 License Amendment Request to Modify Technical Specification Regarding Moderator Temperature Coefficient Surveillance for Startup Test Activity Reduction Program (TAC Nos. MF1888 and MF1889)

Please note the following official request for additional information on the subject matter, and provide your responses within 30 days from this date.

By letter dated May 21, 2013 (Agencywide Documents Access and Management Accession No. ML13144A166), Florida Power & Light Company (the licensee) proposed a license amendment request to modify Technical Specifications (TSs) moderator temperature coefficient (MTC) surveillance requirements (SRs) associated with implementation of Topical Report WCAP-16011-P-A, "Startup Test Activity Reduction (STAR) Program," which describes the methods to be used for implementation of reduction in the startup testing requirements. The changes are consistent with the Nuclear Regulatory Commission (NRC)-approved Industry/Technical Specification Task Force (TSTF) Standard Technical Specifications (STS) change TSTF-486, Revision 2 as included in NUREG-1432, Revision 4.0, Standard Technical Specifications – Combustion Engineering (CE) Plants. In order to complete its review of the above documents, the NRC staff needs the following additional information:

1. The licensee claimed that the proposed changes for St. Lucie Units 1 and 2 are consistent with the NRC-approved TSTF STS change TSTF-486, Revision 2 such as:

SR 4.1.1.4.2 Verify MTC is within the lower limit specified in the COLR [core operating limit report].

Each fuel cycle within 7 EFPD [effective full power days] of reaching 2/3 of expected core burnup.

TSTF-486, Rev. 2, SR 3.1.3.2 in its entirety states, "If the MTC is more negative than the limit specified in the COLR when extrapolated to the end of cycle, SR 3.1.3.2 may be repeated. Shutdown must occur prior to exceeding the minimum allowable boron concentration at which MTC is projected to exceed the lower limit. Verify MTC is within the lower limit specified in the COLR. Each fuel cycle within 7 EFPD of reaching 40 EFPD core burnup AND Each fuel cycle within 7 EFPD of reaching 2/3 of expected core burnup."

Please provide clarification for the discrepancy from the TSTF-486, Rev. 2, SR 3.1.3.2, why the first part of frequency statement "Each fuel cycle within 7 EFPD of reaching 40 EFPD core burnup AND" is not included in the licensee's SR 4.1.1.4.2.

2. The proposed TS changes are relating to MTC as specified in the COLR. Please provide the MTC lower limit that will be used for the first cycle this revised TS is effective.
3. Please provide an evaluation against the conditions and limitations stated in the NRC safety evaluation on WCAP-16011-P-A, Rev 0, STAR Program.

Siva P. Lingam  
U.S. Nuclear Regulatory Commission  
Project Manager (NRR/DORL/LPL2-2)  
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St. Lucie Plant

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**Hearing Identifier:** NRR\_PMDA  
**Email Number:** 828

**Mail Envelope Properties** (Siva.Lingam@nrc.gov20130905160800)

**Subject:** St. Lucie Units 1 and 2 License Amendment Request to Modify Technical Specification Regarding Moderator Temperature Coefficient Surveillance for Startup Test Activity Reduction Program (TAC Nos. MF1888 and MF1889)

**Sent Date:** 9/5/2013 4:08:44 PM

**Received Date:** 9/5/2013 4:08:00 PM

**From:** Lingam, Siva

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Tracking Status: None

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| MESSAGE      | 2998        | 9/5/2013 4:08:00 PM    |

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**Expiration Date:**

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