

NRR-PMDAPEm Resource

From: Buckberg, Perry
Sent: Monday, March 28, 2016 8:41 AM
To: Frehafer, Ken
Cc: Snyder, Mike; Cross, William
Subject: Request for Additional Information - St. Lucie SRXB MTC Surv - MF7269 & MF7270
Attachments: St Lucie MF7269 MF7270 SRXB RAI 3-28-16.pdf

Ken,

By license amendment request letter dated January 19, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16033A472), Florida Power & Light Company (the licensee) requested NRC approval to eliminate the St. Lucie Plant Unit Nos. 1 and 2 end-of-cycle moderator temperature coefficient (MTC) surveillance test from Technical Specifications, and to add Westinghouse PARAGON to the Units 1 and 2 Technical Specifications list of Core Operating Limits Report (COLR) methodologies.

The U.S. Nuclear Regulatory Commission Staff reviewed the submittal and identified areas where it needs additional information and clarification to complete its review. The Request for Additional Information (RAI) is attached. The NRC requests that the licensee respond to this RAI within 45 days of this email.

Thanks,

Perry Buckberg

Senior Project Manager

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U.S. Nuclear Regulatory Commission

Office of Nuclear Reactor Regulation

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Recipients:

"Snyder, Mike" <Mike.Snyder@fpl.com>
Tracking Status: None
"Cross, William" <WILLIAM.CROSS@fpl.com>
Tracking Status: None
"Frehafer, Ken" <Ken.Frehafer@fpl.com>
Tracking Status: None

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REQUEST FOR ADDITIONAL INFORMATION
ST. LUCIE, UNITS 1 AND 2
LICENSE AMENDMENT REQUEST TO ELIMINATE EOC MTC
SURVEILLANCE TEST AND ADD COLR METHODOLOGY TO TS
DOCKET NOS. 50-335 AND 50-389
CACs MF7269 & MF7270

By letter dated January 19, 2016 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML16033A472), Florida Power & Light (the licensee) submitted a license amendment request (LAR) for NRC approval to eliminate the St. Lucie Plant Unit Nos. 1 and 2 end-of-cycle moderator temperature coefficient (MTC) surveillance test, and to add Westinghouse PARAGON to the Units 1 and 2 Technical Specification list of Core Operating Limits Report (COLR) methodologies. The staff review of the licensee's 1/19/16 LAR has resulted in the following requests for additional information:

RAI-MF7269/70-SRXB-01

Use of Topical Report CE NPSD-911-A and Amendment 1-A with PHOENIX-P/ANC and PARAGON/ANC for St. Lucie is based on benchmarking performed by Westinghouse and recent cycles of St. Lucie moderator temperature coefficient (MTC) measured to predicted differences. With DIT/ROCS, the CE NPSD-911-A methodology uses a MTC bias. CE NPSD-911-A Section I states, "The best estimate value is defined as the calculated value using the current ABB-CE methodology augmented by a bias term" and also states "...the most negative raw calculated design MTC at EOC must be less negative than the Tech Spec MTC by an amount equal to the bias plus total uncertainty." Please provide any bias used with PHOENIX-P/ANC and PARAGON/ANC to calculate the St. Lucie best estimate design MTC values for CE NPSD-911-A. Also provide any bias used with the MTC data in Tables 1 and 2 of the license amendment request.