



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20555-0001

November 18, 2010

Mr. Mano Nazar
Executive Vice President and
Chief Nuclear Officer
Florida Power & Light Co.
P. O. Box 14000
700 Universe Boulevard
Juno Beach, FL 33408-0420

SUBJECT: ST. LUCIE UNIT 1 – ANALYSIS OF INADVERTENT CONTROL ELEMENT
ASSEMBLY WITHDRAWAL AT POWER FOR THE LICENSE AMENDMENT
REQUEST FOR EXTENDED POWER UPRATE

Dear Mr. Nazar:

This purpose of this letter is to clarify the position of the U.S. Nuclear Regulatory Commission (NRC) with regard to the analysis of the inadvertent control element assembly withdrawal at power that your staff is preparing in support of a license amendment request for an extended power uprate (EPU) for the St. Lucie Unit 1 (SL1) plant, as indicated in a September 16, 2010, meeting with your staff and in subsequent telephone discussions.

The NRC staff understands that Florida Power and Light Company is using the AREVA Licensing Topical Report EMF-2310(P)(A), "SRP [Standard Review Plan] Chapter 15 Non-LOCA [Loss-of-Coolant Accident] Methodology for Pressurized Water Reactors," in performing analyses related to FPL's submittal of a license amendment request for an EPU for SL1. While the use of this topical report has been approved by the NRC, strict adherence to the methodology may not provide the information needed for review of the EPU, as identified by the NRC staff in item 4 of the enclosure to the NRC staff's letter dated August 13, 2010 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML102240195).

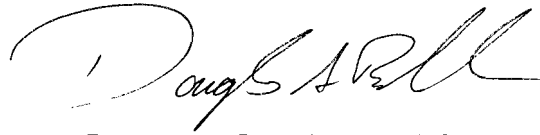
In particular, the methodology would not address an issue with parametric biasing communicated to your staff by telephone and email on September 1, 2010. Consistent with the NRC staff's safety evaluation related to the aforementioned topical report dated May 11, 2001 (ADAMS Accession No. ML011310533), acceptance review questions and/or a request for additional information may be issued requesting additional supporting assessment calculations needed to support the NRC staff's conclusions regarding the compliance of proposed operation of the St. Lucie Nuclear Power Plant with NRC requirements.

M. Nazar

- 2 -

If you have any questions regarding this matter, please contact Mr. Tracy J. Orf, the NRC project manager for St. Lucie Unit 1, at (301) 415-2788.

Sincerely,

A handwritten signature in black ink, appearing to read "Doug A. Broaddus". The signature is fluid and cursive, with a large initial "D" and "B".

Douglas A. Broaddus, Chief
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

Docket No. 50-335

cc: Distribution via Listserv

November 18, 2010

M. Nazar

- 2 -

If you have any questions regarding this matter, please contact Mr. Tracy J. Orf, the NRC project manager for St. Lucie Unit 1, at (301) 415-2788.

Sincerely,

/RA/

Douglas A. Broaddus, Chief
Plant Licensing Branch II-2
Division of Operating Reactor Licensing
Office of Nuclear Reactor Regulation

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