



October 27, 2011

L-2011-458
10 CFR 50.90

U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Re: St. Lucie Plant Unit 1
Docket No. 50-335
Renewed Facility Operating License No. DPR-67

Response to NRC Mechanical and Civil Branch Request for Additional
Information RAI EMCB-1; Regarding Extended Power Uprate License
Amendment Request

References:

- (1) R. L. Anderson (FPL) to U.S. Nuclear Regulatory Commission (L-2010-259), "License Amendment Request for Extended Power Uprate," November 22, 2010, Accession No. ML103560419.
- (2) Email from T. Orf (NRC) to C. Wasik (FPL), "St. Lucie 1 EPU draft Mechanical and Civil RAIs (EMCB)," July 27, 2011.
- (3) R. L. Anderson (FPL) to U.S. Nuclear Regulatory Commission (L-2011-361), "Response to NRC Mechanical and Civil Branch Request for Additional Information Regarding Extended Power Uprate License Amendment Request," September 23, 2011, Accession No. ML11271A030.
- (4) R. L. Anderson (FPL) to U.S. Nuclear Regulatory Commission (L-2011-435), "Response to NRC Mechanical and Civil Branch Request for Additional Information Number 23; Regarding Extended Power Uprate License Amendment Request," October 21, 2011.

By letter L-2010-259 dated November 22, 2010 [Reference 1], Florida Power & Light Company (FPL) requested to amend Renewed Facility Operating License No. DPR-67 and revise the St. Lucie Unit 1 Technical Specifications (TS). The proposed amendment will increase the unit's licensed core thermal power level from 2700 megawatts thermal (MWt) to 3020 MWt and revise the Renewed Facility Operating License and TS to support operation at this increased core thermal power level. This represents an approximate increase of 11.85% and is therefore considered an Extended Power Uprate (EPU).

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By email from the NRC Project Manager dated July 27, 2011 [Reference 2], additional information related to mechanical and civil engineering topics was requested by the NRC staff in the Mechanical and Civil Engineering Branch (EMCB) to support their review of the EPU License Amendment Request (LAR). The request for additional information (RAI) consisted of forty-five questions. By letter L-2011-361 dated September 23, 2011 [Reference 3], FPL provided a response to all of the forty-five questions with the exception of RAI EMCB-23 and the hot leg injection modification portion of the response to RAI EMCB-1. The Reference 3 response to RAI EMCB-1 stated that FPL would provide a response to EMCB-23 and updated information regarding the hot leg injection modification by October 28, 2011. By letter L-2011-435 dated October 21, 2011 [Reference 4], FPL provided a response to EMCB-23. With respect to the EMCB-1 response regarding the hot leg injection modification, FPL continues to develop design details necessary to implement the modification. Updated information regarding the hot leg injection modification will be provided to the NRC by November 30, 2011.

In accordance with 10 CFR 50.91(b)(1), a copy of this letter is being forwarded to the designated State of Florida official.

This submittal does not alter the significant hazards consideration or environmental assessment previously submitted by FPL letter L-2010-259 [Reference 1].

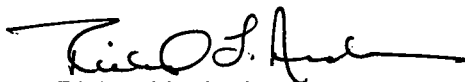
This submittal contains no new commitments and no revisions to existing commitments.

Should you have any questions regarding this submittal, please contact Mr. Christopher Wasik, St. Lucie Extended Power Uprate LAR Project Manager, at 772-467-7138.

I declare under penalty of perjury that the foregoing is true and correct to the best of my knowledge.

Executed on *27 - October - 2011*

Very truly yours,



Richard L. Anderson
Site Vice President
St. Lucie Plant

cc: Mr. William Passetti, Florida Department of Health