



**FPL**

September 30, 2011

L-2011-418  
10 CFR 50.90  
10 CFR 2.390

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 Reactor Systems Branch Request for Additional Information  
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 (LAR) 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 RAIs—Reactor Systems (SRXB)," August 23, 2011.
- (3) Email from T. Orf (NRC) to C. Wasik (FPL), "St. Lucie 1 EPU draft RAIs—additional Reactor Systems (SRXB)," September 6, 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).

By emails from the NRC Project Manager dated August 23, 2011 [Reference 2], and September 6, 2011 [Reference 3], additional information was requested by the NRC staff in the Reactor Systems Branch (SRXB) to support their review of the EPU LAR. The request for additional information (RAI) submitted via Reference 2 identified thirty-two (32) questions and Reference 3 identified 5 questions. This letter submits responses to the set of RAIs that pertain to Large Break Loss of Coolant Accidents (LBLOCA). This includes RAI SRXB-41 which is part of Reference 2, and RAIs SRXB-48 through 51 which are included as part of Reference 3. FPL will provide a response to SRXB 47, which is also included as part of Reference 3, in a future transmittal.

4001

Response to these RAs is provided in Attachment 1 to this letter. Attachment 1 contains Areva proprietary information. Attachment 2 contains the Areva Proprietary Information Affidavit which expresses Areva's request to withhold the proprietary information contained in Attachment 1 from public disclosure. The Affidavit, signed by Areva as the owner of the information, sets forth the basis for which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of § 2.390 of the Commission's regulations. Accordingly, it is respectfully requested that the information contained in Attachment 1 which is proprietary to Areva be withheld from public disclosure in accordance with 10 CFR 2.390. Attachment 3 is the fully non-proprietary version of the responses provided in Attachment 1.

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 *30-Sept-2011*

Very truly yours,



Richard L. Anderson  
Site Vice President  
St. Lucie Plant

Attachments (3)

cc: Mr. William Passetti, Florida Department of Health

## **ATTACHMENT 2**

### **Response to NRC Reactor Systems Branch Request for Additional Information Regarding Extended Power Uprate License Amendment Request**

**Areva  
Application for Withholding  
Proprietary Information  
from Public Disclosure**

**(Cover page plus 3 pages)**



accordance with 10 CFR 2.390. The information for which withholding from disclosure is requested qualifies under 10 CFR 2.390(a)(4) "Trade secrets and commercial or financial information."

6. The following criteria are customarily applied by AREVA NP to determine whether information should be classified as proprietary:

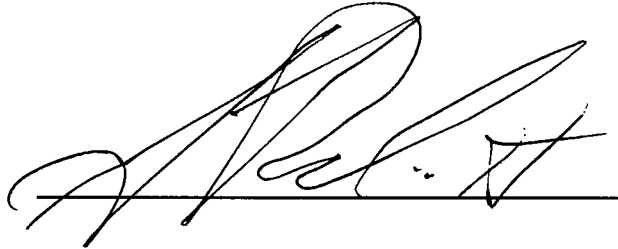
- (a) The information reveals details of AREVA NP's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.
- (c) The information includes test data or analytical techniques concerning a process, methodology, or component, the application of which results in a competitive advantage for AREVA NP.
- (d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA NP in product optimization or marketability.
- (e) The information is vital to a competitive advantage held by AREVA NP, would be helpful to competitors to AREVA NP, and would likely cause substantial harm to the competitive position of AREVA NP.

The information in the Document is considered proprietary for the reasons set forth in paragraphs 6(b) and 6(c) above.


7. In accordance with AREVA NP's policies governing the protection and control of information, proprietary information contained in this Document have been made available, on a limited basis, to others outside AREVA NP only as required and under suitable agreement providing for nondisclosure and limited use of the information.

8. AREVA NP policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

9. The foregoing statements are true and correct to the best of my knowledge, information, and belief.

A handwritten signature in black ink, appearing to be 'A. B. H.', written over a horizontal line.

SUBSCRIBED before me this 27<sup>th</sup>  
day of September 2011.

A handwritten signature in black ink, appearing to be 'Sherry L. McFaden', written over a horizontal line.

Sherry L. McFaden  
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA  
MY COMMISSION EXPIRES: 10/31/14  
Reg. # 7079129

