



FPL

November 3, 2015

L-2015-279
10 CFR 50.90

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555-0001

RE: St. Lucie Unit 2
Docket No. 50-389
RAI Response Clarification for SRXB-RAI-1 and SNPB RAI-2 thru RAI-20 for the Technical Specification LAR and Exemption Request Regarding the Transitioning to AREVA Fuel

References:

1. FPL Letter L-2014-366 dated December 30, 2014, "Application for Technical Specification Change and Exemption Request Regarding the Transitioning to AREVA Fuel," Accession No. ML15002A091
2. FPL Letter L-2015-091 dated March 23, 2015, "Supplemental Information for Technical Specification Change and Exemption Request Regarding the Transitioning to AREVA Fuel," Accession No. ML15084A011
3. NRC Letter dated May 12, 2015, "St. Lucie Plant, Unit No. 2 - Request for Additional Information Regarding License Amendment Request and Exemption Request Regarding the Transitioning to AREVA Fuel (TAC NOS. MF5494 AND MF5495)," Accession No. ML15127A405
4. FPL Letter L-2015-166 dated June 2, 2015, "RAI Reply for Application for Technical Specification Change and Exemption Request Regarding the Transitioning to AREVA Fuel," Accession No. ML15161A316
5. FPL Letter L-2015-177 dated June 18, 2015, "Resubmittal of the AREVA Small Break LOCA Summary Report Within the Application for Technical Specification Change and Exemption Request Regarding the Transitioning to AREVA Fuel," Accession No. ML15181A290
6. NRC Letter dated June 24, 2015, "St. Lucie Plant, Unit 2 - Request for Additional Information Regarding License Amendment Request and Exemption Request Regarding the Transitioning to AREVA Fuel (TAC Nos. MF5494 and MF5495)," Accession No. ML15166A368
7. FPL Letter L-2015-206 dated July 30, 2015, "RAI Response to SNPB-RAI-1 for the Technical Specification LAR and Exemption Request Regarding the Transitioning to AREVA Fuel," Accession No. ML15219A184
8. NRC Letters dated September 4, 2015, "St. Lucie Plant, Unit No. 2 - Request for Additional Information Regarding License Amendment Request and Exemption Request Regarding the Transitioning to AREVA Fuel (TAC Nos. MF5494 AND MF5495)," Accession Nos. ML 15233A031 and ML15233A036
9. FPL Letter L-2015-259 dated October 2, 2015, "RAI Response to SRXB-RAI-1 and SNPB RAI-2 thru RAI-20 for the Technical Specification LAR and Exemption Request Regarding the Transitioning to AREVA Fuel," Accession No. ML15279A226

ADD
NRK

Pursuant to 10 CFR 50.90, Florida Power & Light Company (FPL) submitted via Reference 1 and supplemented via Reference 2 a license amendment to the Technical Specifications (TS) for St. Lucie Unit 2 to allow the use of AREVA fuel. References 4, 7 and 9 provided the responses to the NRC requests for additional information (RAIs) contained in References 3, 6 and 8. Reference 5 modified the proprietary markings contained in the SBLOCA summary report.

The NRC requested clarifications and justification for the Westinghouse proprietary information provided in ANP-3440P, Revision 1 included in letter L-2015-259 (Reference 9). This letter provides the following information in response to the NRC request:

Attachment A provides notarized Westinghouse affidavit for the Westinghouse proprietary information included in ANP-3440P, Revision 1.

Attachment B provides the Westinghouse proprietary information with the applicable a thru f designations as stated in the Westinghouse affidavit.

Attachment C provides the non-proprietary version of Attachment B.

The Westinghouse proprietary information included in ANP-3440P, Revision 1 and the information redacted in the non-proprietary version of the report ANP-3440NP, Revision 1 has been verified by FPL to be accurate and therefore the information provided in letter L-2015-259 remains valid and does not require revision or update.

If you should have any questions, please contact Mr. Ken Frehafer at (772) 467-7748.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on November 3, 2015.

Sincerely,


Christopher R. Costanzo

Site Vice President
St. Lucie Plant

CRC/KWF

Attachments

- A. Westinghouse affidavit for withholding proprietary information from the public
- B. Westinghouse Proprietary Information
- C. Westinghouse non-Proprietary Information

cc: USNRC Regional Administrator, Region II
USNRC Senior Resident Inspector, St. Lucie Nuclear Plant
Ms. Cindy Becker, Florida Department of Health



Westinghouse Electric Company
1000 Westinghouse Drive
Cranberry Township, Pennsylvania 16066
USA

U.S. Nuclear Regulatory Commission
Document Control Desk
11555 Rockville Pike
Rockville, MD 20852

Direct tel: (412) 374-4643
Direct fax: (724) 940-8560
e-mail: greshaja@westinghouse.com

CAW-15-4319

October 27, 2015

APPLICATION FOR WITHHOLDING PROPRIETARY
INFORMATION FROM PUBLIC DISCLOSURE

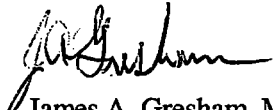
Subject: Westinghouse Data to be Supplied to USNRC in Support of St. Lucie Unit 2 Fuel Transition
Request for Additional Information

The Application for Withholding Proprietary Information from Public Disclosure is submitted by Westinghouse Electric Company LLC (Westinghouse), pursuant to the provisions of paragraph (b)(1) of Section 2.390 of the Commission's regulations. It contains commercial strategic information proprietary to Westinghouse and customarily held in confidence.

The proprietary information for which withholding is being requested in the above-referenced report is further identified in Affidavit CAW-15-4319 signed by the owner of the proprietary information, Westinghouse Electric Company LLC. The Affidavit, which accompanies this letter, sets forth the basis on which the information may be withheld from public disclosure by the Commission and addresses with specificity the considerations listed in paragraph (b)(4) of 10 CFR Section 2.390 of the Commission's regulations.

Accordingly, this letter authorizes the utilization of the accompanying Affidavit by NextEra Energy.

Correspondence with respect to the proprietary aspects of the Application for Withholding or the Westinghouse Affidavit should reference CAW-15-4319, and should be addressed to James A. Gresham, Manager, Regulatory Compliance, Westinghouse Electric Company, 1000 Westinghouse Drive, Building 3 Suite 310, Cranberry Township, Pennsylvania 16066.


James A. Gresham, Manager
Regulatory Compliance

CAW-15-4319

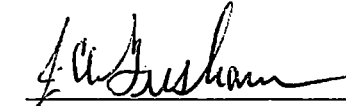
AFFIDAVIT

COMMONWEALTH OF PENNSYLVANIA:

SS

COUNTY OF BUTLER:

Before me, the undersigned authority, personally appeared James A. Gresham, who, being by me duly sworn according to law, deposes and says that he is authorized to execute this Affidavit on behalf of Westinghouse Electric Company LLC (Westinghouse), and that the averments of fact set forth in this Affidavit are true and correct to the best of his knowledge, information, and belief:



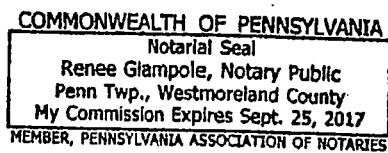
James A. Gresham, Manager

Regulatory Compliance

Sworn to and subscribed before me
this 27th day of October 2015



Notary Public



- (1) I am Manager, Regulatory Compliance, Westinghouse Electric Company LLC (Westinghouse), and as such, I have been specifically delegated the function of reviewing the proprietary information sought to be withheld from public disclosure in connection with nuclear power plant licensing and rule making proceedings, and am authorized to apply for its withholding on behalf of Westinghouse.
- (2) I am making this Affidavit in conformance with the provisions of 10 CFR Section 2.390 of the Commission's regulations and in conjunction with the Westinghouse Application for Withholding Proprietary Information from Public Disclosure accompanying this Affidavit.
- (3) I have personal knowledge of the criteria and procedures utilized by Westinghouse in designating information as a trade secret, privileged or as confidential commercial or financial information.
- (4) Pursuant to the provisions of paragraph (b)(4) of Section 2.390 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure should be withheld.
 - (i) The information sought to be withheld from public disclosure is owned and has been held in confidence by Westinghouse.
 - (ii) The information is of a type customarily held in confidence by Westinghouse and not customarily disclosed to the public. Westinghouse has a rational basis for determining the types of information customarily held in confidence by it and, in that connection, utilizes a system to determine when and whether to hold certain types of information in confidence. The application of that system and the substance of that system constitute Westinghouse policy and provide the rational basis required.

Under that system, information is held in confidence if it falls in one or more of several types, the release of which might result in the loss of an existing or potential competitive advantage, as follows:

 - (a) The information reveals the distinguishing aspects of a process (or component, structure, tool, method, etc.) where prevention of its use by any of

Westinghouse's competitors without license from Westinghouse constitutes a competitive economic advantage over other companies.

- (b) It consists of supporting data, including test data, relative to a process (or component, structure, tool, method, etc.), the application of which data secures a competitive economic advantage, e.g., by optimization or improved marketability.
 - (c) Its use by a competitor would reduce his expenditure of resources or improve his competitive position in the design, manufacture, shipment, installation, assurance of quality, or licensing a similar product.
 - (d) It reveals cost or price information, production capacities, budget levels, or commercial strategies of Westinghouse, its customers or suppliers.
 - (e) It reveals aspects of past, present, or future Westinghouse or customer funded development plans and programs of potential commercial value to Westinghouse.
 - (f) It contains patentable ideas, for which patent protection may be desirable.
- (iii) There are sound policy reasons behind the Westinghouse system which include the following:
- (a) The use of such information by Westinghouse gives Westinghouse a competitive advantage over its competitors. It is, therefore, withheld from disclosure to protect the Westinghouse competitive position.
 - (b) It is information that is marketable in many ways. The extent to which such information is available to competitors diminishes the Westinghouse ability to sell products and services involving the use of the information.
 - (c) Use by our competitor would put Westinghouse at a competitive disadvantage by reducing his expenditure of resources at our expense.

- (d) Each component of proprietary information pertinent to a particular competitive advantage is potentially as valuable as the total competitive advantage. If competitors acquire components of proprietary information, any one component may be the key to the entire puzzle, thereby depriving Westinghouse of a competitive advantage.
- (e) Unrestricted disclosure would jeopardize the position of prominence of Westinghouse in the world market, and thereby give a market advantage to the competition of those countries.
- (f) The Westinghouse capacity to invest corporate assets in research and development depends upon the success in obtaining and maintaining a competitive advantage.
- (iv) The information is being transmitted to the Commission in confidence and, under the provisions of 10 CFR Section 2.390, it is to be received in confidence by the Commission.
- (v) The information sought to be protected is not available in public sources or available information has not been previously employed in the same original manner or method to the best of our knowledge and belief.
- (vi) The proprietary information sought to be withheld in this submittal is that which is appropriately marked in "Westinghouse Data to be Supplied to USNRC in Support of St. Lucie Unit 2 Fuel Transition Request for Additional Information" (Proprietary); for submittal to the Commission, being transmitted by NextEra Energy Letter L-2015-259 and Application for Withholding Proprietary Information from Public Disclosure, to the Document Control Desk. The proprietary information as submitted by Westinghouse is that associated with the RAI response provided in NextEra Energy Letter L-2015-259, and may be used only for that purpose.
- (a) This information is part of that which will enable Westinghouse to perform various fuel-related design and analysis services in support of plant operation.

- (b) Further this information has substantial commercial value as follows:
- (i) Westinghouse plans to sell the use of similar information to its customers for the purpose of various fuel related analyses.
 - (ii) Westinghouse can sell support and defense of industry guidelines and acceptance criteria for plant-specific applications.
 - (iii) The information requested to be withheld reveals the distinguishing aspects of a methodology which was developed by Westinghouse.

Public disclosure of this proprietary information is likely to cause substantial harm to the competitive position of Westinghouse because it would enhance the ability of competitors to provide similar technical evaluation justifications and licensing defense services for commercial power reactors without commensurate expenses. Also, public disclosure of the information would enable others to use the information to meet NRC requirements for licensing documentation without purchasing the right to use the information.

The development of the technology described in part by the information is the result of applying the results of many years of experience in an intensive Westinghouse effort and the expenditure of a considerable sum of money.

In order for competitors of Westinghouse to duplicate this information, similar technical programs would have to be performed and a significant manpower effort, having the requisite talent and experience, would have to be expended.

Further the deponent sayeth not.

PROPRIETARY INFORMATION NOTICE

Transmitted herewith are proprietary and non-proprietary versions of documents furnished to the NRC in support of St. Lucie Unit 2 Fuel Transition Request for Additional Information.

In order to conform to the requirements of 10 CFR 2.390 of the Commission's regulations concerning the protection of proprietary information so submitted to the NRC, the information which is proprietary in the proprietary versions is contained within brackets, and where the proprietary information has been deleted in the non-proprietary versions, only the brackets remain (the information that was contained within the brackets in the proprietary versions having been deleted). The justification for claiming the information so designated as proprietary is indicated in both versions by means of lower case letters (a) through (f) located as a superscript immediately following the brackets enclosing each item of information being identified as proprietary or in the margin opposite such information. These lower case letters refer to the types of information Westinghouse customarily holds in confidence identified in Sections (4)(ii)(a) through (4)(ii)(f) of the Affidavit accompanying this transmittal pursuant to 10 CFR 2.390(b)(1).

COPYRIGHT NOTICE

The reports transmitted herewith each bear a Westinghouse copyright notice. The NRC is permitted to make the number of copies of the information contained in these reports which are necessary for its internal use in connection with generic and plant-specific reviews and approvals as well as the issuance, denial, amendment, transfer, renewal, modification, suspension, revocation, or violation of a license, permit, order, or regulation subject to the requirements of 10 CFR 2.390 regarding restrictions on public disclosure to the extent such information has been identified as proprietary by Westinghouse, copyright protection notwithstanding. With respect to the non-proprietary versions of these reports, the NRC is permitted to make the number of copies beyond those necessary for its internal use which are necessary in order to have one copy available for public viewing in the appropriate docket files in the public document room in Washington, DC and in local public document rooms as may be required by NRC regulations if the number of copies submitted is insufficient for this purpose. Copies made by the NRC must include the copyright notice in all instances and the proprietary notice if the original was identified as proprietary.

**Westinghouse Data to be supplied to USNRC in Support of St. Lucie Unit 2 Fuel Transition
Request for Additional Information (Non-Proprietary)**

Component	Co-Resident Design
CONTAINS WESTINGHOUSE PROPRIETARY FUEL INFORMATION PROVIDED UNDER THE THREE-PARTY NDA	
<i>Fuel Assembly</i>	
Height, inches	158.529
Grid Elevations, inches (centerline)	[] ^{a,c} - Guardian™ ¹
	[] ^{a,c} - HID-1L
	[] ^{a,c} - HID-1L
	[] ^{a,c} - HID-1L
	[] ^{a,c} - HID-1L
	[] ^{a,c} - HID-1L
	[] ^{a,c} - HID-1L
	[] ^{a,c} - HID-1L
	[] ^{a,c} - Alloy 625
Bundle pitch, inch	8.18
Rod pitch, inch	0.506
Elevation of start of fuel column, inch	[] ^{a,c}
<i>Lower Tie Plate (LTP)</i>	
Height of Top Surface, inch	3.112
Elevation of Corner Guide Tube Interface, inch	[] ^{a,c}
Diameter of Alignment Pin Hole, inch	[] ^{a,c}
Envelope, inch	[] ^{a,c}
Diagonal Dimension, inch	11.400
<i>Corner Guide Tube</i>	
OD, non-dashpot region, inch	[] ^{a,c}
ID, non-dashpot region, inch	[] ^{a,c}
OD, dashpot region, inch	[] ^{a,c}
ID, dashpot region, inch	[] ^{a,c}
Number of weep holes	[] ^{a,c}
Weep hole diameter(s), inch	Upper [] ^{a,c} [()] ^{a,c}
	Lower [] ^{a,c} [()] ^{a,c}
Elevation of weep hole centerlines, inch	[] ^{a,c} upper
	[] ^{a,c} lower

¹ Guardian is a trademark of Westinghouse Electric Company LLC, its affiliates and/or its subsidiaries in the United States of America and may be registered in other countries throughout the world. All rights reserved. Unauthorized use is strictly prohibited. Other names may be trademarks of their respective owners.

Elevation of start of dashpot, inch	[] ^{a,c}
Elevation of top of guide tube end plug, inch	[] ^{a,c}
<i>Center Guide Tube</i>	
OD, inch	[] ^{a,c}
ID, inch	[] ^{a,c}
Number of weep holes	[] ^{a,c}
Weep hole diameter(s), inch	[()] ^{a,c}
Elevation of weep holes, inch	[] ^{a,c}
Elevation of bottom of center guide tube column, inch	[] ^{a,c}
<i>Spacer Grids</i>	
Number of grids and type	1 Guardian™ 8 HID-1L 1 Alloy 625
Grid height, inch	[] ^{2 a,c} - Guardian™ [] ^{a,c} - HID-1L [] ^{a,c} - Alloy 625
Envelope, inch	[] ^{a,c} (nom, max grid)
Diagonal Dimension, inch	11.368 (for min spacer)
<i>Upper Tie Plate</i>	
Corner post OD, inch	[] ^{a,c}
Top of corner post elevation, inch	[] ^{a,c}
Center post OD, inch	[] ^{a,c}
Top of center post elevation, inch	158.529
Area of ring at top of center post, inch	Ring OD [] ^{a,c} Ring ID [] ^{a,c}
Reaction plate arm width, inch	[] ^{a,c}
Reaction plate arm thickness, inch	[] ^{a,c} Tab [] ^{a,c}
UTP envelope, inch	[] ^{a,c}
Bottom of UTP elevation, inch	[] ^{a,c}
<i>Fuel Rod</i>	
Length, inch	146.899
Cladding OD, inch	0.382
Cladding ID, inch	0.332
Cladding material	ZIRLO® ³
Pellet OD, inch	0.3255

² Value includes the skirt.

³ ZIRLO is a registered trademark of Westinghouse Electric Company LLC, its affiliates and/or its subsidiaries in the United States of America and may be registered in other countries throughout the world. All rights reserved. Unauthorized use is strictly prohibited. Other names may be trademarks of their respective owners.

Total Fuel Column Length, inch	136.7
Lower end cap length, inch	[] ^{a,c}
Note: All elevations are from the lower core support plate and are at room temperature.	