



CHRISTOPHER M. FALLON
Vice President
Nuclear Development

Serial: NPD-NRC-2015-031

10 CFR 52 Appendix D, subsection X.B

Duke Energy
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December 7, 2015

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**Subject: Levy Nuclear Plant Units 1 and 2
Docket Nos. 52-029 and 52-030
Submittal of COL Application, Revision 8**

Ladies and Gentlemen:

This letter provides Duke Energy Florida, LLC's (DEF) revision 8 to the Levy Nuclear Plant, Units 1 and 2, (LNP) combined license (COL) application, originally submitted by Progress Energy Florida, Inc. (PEF) letter NPD-NRC-2008-022 on July 28, 2008. This revision includes an update of the docketed Final Safety Analysis Report (Part 2 of the LNP COL application). Each revision to the LNP COL application (COLA) is identified by revision bars in the margin for text and tables, and by the revision number for figures.

This revision reflects changes identified by previous correspondence with the NRC, including responses to requests for additional information (RAI) and voluntary submittals to the NRC through November 6, 2015, as well as miscellaneous errata items.

This revision incorporates by reference Appendix D to 10 CFR Part 52 based on the Westinghouse Electric Company AP1000 Design Control Document (DCD) Revision 19.

A document identifying each change, as well as its source or basis, is being prepared as an aid to the NRC reviewers and will be submitted via a separate letter on or before December 14, 2015.

The LNP COLA is composed of eleven Parts. Each Part is identified below, along with a brief description of the corresponding revisions being made by this submittal, if any.

Part 1: General and Financial Information (Revision 7 included).

Revised descriptions of the board of directors, corporate officers and corporate name are provided due to Duke Energy corporate changes. This information reflects the board of directors and corporate officers as of October 15, 2015, and the name change from Duke Energy Florida, Inc. to Duke Energy Florida, LLC.

Part 2: Final Safety Analysis Report (FSAR) (Revision 8 included).

This FSAR revision incorporates LNP-specific responses to NRC RAIs, voluntary submittals, and miscellaneous errata. Changes to AP1000 DCD Revision 19 information relating to containment cooling condensate return, main control room operator dose, main control room heatup, source range neutron flux doubling block permissive and containment combustible gas control are included in this FSAR revision. The corporate name change to Duke Energy Florida, LLC is also included.

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Part 3: Environmental Report (Revision 1, previously submitted).

Part 4: Technical Specifications (Revision 6 included).

This revision addresses changes to the Technical Specifications and Technical Specification Bases resulting from changes to AP1000 DCD Revision 19 information relating to containment cooling condensate return, main control room operator dose, main control room heatup and the source range neutron flux doubling block permissive

Part 5: Emergency Plan (Revision 5, previously submitted).

Part 6: Limited Work Authorization (Revision 1, previously submitted).

Part 7: Departures and Exemption Requests (Revision 5 included).

This revision addresses LNP-specific departures and exemptions identified or revised since the previous COLA revision. These include the departures and exemptions for containment cooling condensate return, main control room operator dose, main control room heatup, source range neutron flux doubling block permissive and containment combustible gas control. The corporate name change to Duke Energy Florida, LLC is also included in this revision of COLA Part 7.

Part 8: Safeguards/Security Plans (Revision 3, previously submitted).

Part 9: Withheld Information (Revision 7 included).

The corporate name change to Duke Energy Florida, LLC and updated financial information are included in Revision 7 of Part 9.

As supported by the Affidavit contained in Enclosure 1, DEF requests that certain financial information marked as proprietary, and one FSAR figure marked as sensitive, in this Part be withheld from public disclosure.

Part 10: Proposed License Conditions (including ITAAC) (Revision 7 included).

Revision addresses RAI and voluntary responses, as well as conforming changes to license conditions identified by the NRC.

Part 11: Enclosures (Revision 6, previously submitted).

This LNP COLA update contains no restricted data or national defense information requiring separation in accordance with 10 CFR 50.33(j).

Consistent with common licensing practice and the original LNP COLA, most of the updated application text is written in the present tense, active voice, including discussions of facilities and programs not yet built or implemented. Exceptions to this approach are the discussions of operating experience and completed studies and evaluations, which are written in the past tense. It should be understood, however, that statements regarding facilities (e.g., structures,

systems and components) and pre-construction, pre-operational, and operational activities (e.g., procedures and programs) typically address activities that have not yet been performed and will not be performed until it is reasonable and appropriate to do so.

A set of the revised LNP COLA documents (by Part as identified above) is provided in electronic file format on the enclosed disk (Enclosure 2). Enclosure 2 contains the non-public version of the revised LNP COLA. Appropriate pre-submission checks have been successfully performed on the files to confirm compliance with the guidelines provided on the NRC web site, and they have been found acceptable for electronic submittal. A pre-flight report for Enclosure 2 is provided as Enclosure 3. The disk includes a "packing slip" describing its contents, pursuant to NRC instructions for electronic filing.

DEF has identified changes to AP1000 design certification information that exceed criteria in Interim Staff Guidance DC/COL-ISG-011 "Finalizing Licensing-basis Information," involving containment cooling condensate return and containment combustible gas control. These issues have been discussed with NRC Staff but have not been fully evaluated for incorporation into this COLA update. DEF will provide an update to the FSAR to address these changes in a future COLA submittal, prior to NRC issuance of the Final Safety Evaluation Report. This future COLA submittal will also update COLA Parts 5, 9 and 11 to reflect the corporate name change to Duke Energy Florida, LLC. Any other errata items identified will also be included in the future COLA submittal.

If you have any questions, or need additional information, please contact Bob Kitchen at (704) 382-4046, or me at (704) 382-9248.

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

Executed on this 7th day of December, 2015.

Sincerely,



Christopher M. Fallon
Vice President
Nuclear Development

Enclosures: 1. Affidavit of Christopher M. Fallon
 2. Levy Nuclear Plant, Units 1 and 2, COL Application, Revision 8, Non – Public Version (electronic submittal – 1 DVD enclosed)
 3. Levy Nuclear Plant, Units 1 and 2, COL Application, Revision 8, Non – Public Version, Submittal 10 Pre-flight Report

cc : U.S. NRC Region II, Regional Administrator (w/o Enclosure 2)
 Mr. Donald Habib, U.S. NRC Project Manager (w/o Enclosure 2)
 Ms. Mallecia Sutton, U. S. NRC Environmental Project Manager (w/o Enclosure 2)

Enclosure 1 to Serial: NPD-NRC-2015-031
Page 1 of 3

Enclosure 1 to Serial: NPD-NRC-2015-031

Affidavit of Christopher M. Fallon, 2 pages

AFFIDAVIT OF CHRISTOPHER M. FALLON

STATE OF NORTH CAROLINA)

) ss
COUNTY OF MECKLENBURG)

I, Christopher M. Fallon, Vice President of Nuclear Development, Duke Energy Corporation, do hereby affirm and state:

1. I am authorized to execute this affidavit on behalf of Duke Energy Florida, LLC, (hereinafter referred to as "DEF"). I am further authorized to review information submitted to the Nuclear Regulatory Commission ("NRC") and apply for the withholding of information from disclosure. I am making this affidavit in conformance with the provisions of the NRC's regulations at 10 CFR 2.390 and in support of DEF's request for proprietary treatment of certain financial information, as set forth in the transmittal letter to which this Affidavit is attached.
2. I have knowledge of the criteria used by DEF in designating information as sensitive, proprietary, or confidential.
3. Pursuant to paragraph (a)(4) of 10 CFR 2.390, the following is furnished for consideration by the NRC in determining whether the information sought to be withheld from public disclosure should be withheld.
 - a. The information sought to be withheld from public disclosure is owned by DEF and has been held in confidence by DEF.
 - b. The information sought to be protected is not available to the public to the best of our knowledge and belief.
 - c. The information is of the type that would customarily be held in confidence by DEF. This financial information consists of DEF's projections for construction and fuel supply costs, and DEF's financing plan. Public disclosure of this information is likely to cause harm to DEF because it would allow contractors, vendors, and competitors to understand DEF's competitive position and schedule prior to securing the related contracts and services and/or prior to pricing competitive services.

d. The proprietary information sought to be withheld from public disclosure is identified in Part 9 of the COL application and marked therein as proprietary.

e. The information is transmitted to the NRC in confidence and under the provisions of 10 CFR 2.390; it is to be received in confidence by the NRC.

Christopher M. Fallon, being duly sworn, states that he is Vice President of Nuclear Development, Duke Energy Corporation, that he is authorized on the part of said Company to sign and file with the U.S. Nuclear Regulatory Commission these revisions to the combined license application for the Levy Nuclear Plant Units 1 and 2, and that all the matters and facts set forth herein are true and correct to the best of his knowledge.

Christopher M. Fallon

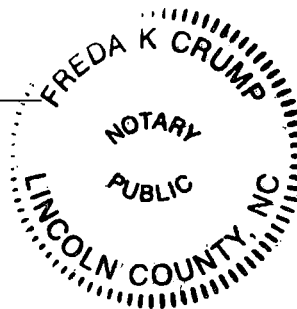
Christopher M. Fallon
Vice President
Nuclear Development

Subscribed and sworn to before me, a Notary Public, in and for the county and state above named, this 7 day of December 2015.

Freda K. Crump

Notary Public in and for the State of North Carolina

My Commission Expires: August 17, 2016



Enclosure 2 to Serial: NPD-NRC-2015-031
Page 1 of 1

Enclosure 2 to Serial: NPD-NRC-2015-031

Levy Nuclear Plant, Units 1 and 2 COL Application, Revision 8, Non-Public Version, (electronic
submittal – 1 DVD enclosed)

Enclosure 3 to Serial: NPD-NRC-2015-031
Page 1 of 2

Enclosure 3 to Serial: NPD-NRC-2015-031

Levy Nuclear Plant, Units 1 and 2 COL Application, Revision 8, Non-Public Version,
Submittal 10 Pre-flight Report

This document serves as a pre-flight report for the Levy COLA Submittal 10. The following files (mostly individual figure files) do not pass pre-flight or do not meet NRC criteria, but text is word searchable and clarity/legibility is of high quality.

No.	File Name	Preflight Status	Reason
Part 2 – FSAR			
1	LNP_FSAR_APP02_CC.pdf	Error/Failed	Figure resolution is less than 300 ppi
2	LNP_FSAR_FIG02_05_04_05_204.pdf	Error/Failed	Figure resolution is less than 300 ppi; Figure is output from an engineering analysis program; highest output resolution used
Part 4 – Technical Specifications			
1	LNP_Part04_Technical_Specifications.pdf	Error/Failed	< 300 ppi
Part 9 – SUNSI Information			
1	Citrus County Emergency Plan Part 01 - Draft.pdf	Error/Failed	< 300 ppi, font not embedded due to OCR
2	Citrus County Emergency Plan Part 02 - Draft.pdf	Error/Failed	font not embedded due to OCR
3	Levy County Emergency Plan Part 01 – Draft.pdf	Error/Failed	< 300 ppi, font not embedded due to OCR
4	Levy County Emergency Plan Part 02 – Draft.pdf	Error/Failed	< 300 ppi, font not embedded due to OCR
5	Marion County Emergency Plan Part 01 – Draft.pdf	Error/Failed	< 300 ppi
6	State of Florida REMP – Annex A – Appendix VI-Draft.pdf	Error/Failed	< 300 ppi
7	State of Florida REMP – Annex A-Draft.pdf	Error/Failed	< 300 ppi, font not embedded