



Serial: NPD-NRC-2011-023
March 15, 2011

10 CFR 52.79

U.S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D.C. 20555-0001

**LEVY NUCLEAR PLANT, UNITS 1 AND 2
DOCKET NOS. 52-029 AND 52-030
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 099 RELATED TO
SRP SECTION 16.0**

Reference: Letter from Sujata Goetz (NRC) to John Elnitsky (PEF), dated February 9, 2011,
"Request for Additional Information Letter No. 099 Related to SRP Section 16.0 for
the Levy County Nuclear Plant, Units 1 and 2 Combined License Application"

Ladies and Gentlemen:

Progress Energy Florida, Inc. (PEF) hereby submits our response to the Nuclear Regulatory
Commission's (NRC) request for additional information provided in the referenced letter.

A response to the NRC request is addressed in the enclosure. The enclosure also identifies
changes that will be made in a future revision of the Levy Nuclear Plant Units 1 and 2 application.

If you have any further questions, or need additional information, please contact Bob Kitchen at
(919) 546-6992, or me at (727) 820-4481.

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

Executed on March 11, 2011.

Sincerely,

A handwritten signature in black ink, appearing to be "John Elnitsky", written over a horizontal line.

John Elnitsky
Vice President
New Generation Programs & Projects

Enclosure

cc : U.S. NRC Region II, Regional Administrator
Mr. Brian C. Anderson, U.S. NRC Project Manager
Ms. Sujata Goetz, U.S. NRC Project Manager

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Levy Nuclear Plant Units 1 and 2
Response to NRC Request for Additional Information Letter No. 099 Related to
SRP Section 16.0 for the Combined License Application, dated February 9, 2011

| <u>NRC RAI #</u> | <u>Progress Energy RAI #</u> | <u>Progress Energy Response</u> |
|------------------|------------------------------|-----------------------------------------|
| 16.0-1 | L-0900 | Response enclosed – see following pages |
| 16.0-2 | L-0901 | Response enclosed – see following pages |

NRC Letter No.: LNP-RAI-LTR-099

NRC Letter Date: February 9, 2011

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 16.0-1

Text of NRC RAI:

The site boundary description in FSAR, Chapter 2, Section 2.1.1.2 references Figure 2.1.1-203, which presents the site boundary as a black line marking the property line. Part 4 (Technical Specifications) Section 4.0. Technical Specifications Section 4.1.1 "Site and Exclusion Boundaries" states "The Site Boundary is shown in Figure 4.1-1." Figure 4.1-1 does not include the site boundary. Please explain this apparent discrepancy.

PGN RAI ID #: L-0900

PGN Response to NRC RAI:

Part 4 Technical Specifications Section 4.1.1 is titled Site and Exclusion Boundaries, however Figure 4.1-1 shows the Exclusion Area Boundary and the Low Population Zone boundary. Section 4.1.1 will be revised in a future revision to show both the Site and Exclusion Boundaries on Figure 4.1-1. Figure 4.1-1 will be revised to duplicate FSAR Figure 2.1.1-203 with the exception of the depiction of railroad lines. Section 4.1.2 will reference Figure 4.1-2 which will be revised to duplicate FSAR Figure 2.1.1-202.

Associated LNP COL Application Revisions:

1. Part 4 Technical Specifications Section 4.1 will be revised from:

- 4.1.1 Site and Exclusion Boundaries

- The Site Boundary is shown in Figure 4.1-1.

- The Exclusion Area Boundary is shown in Figure 4.1-2.

- 4.1.2 Low Population Zone (LPZ)

- The LPZ is defined by the 3 mile radius from the site center point as shown in Figure 4.1-1.

To read:

- 4.1.1 Site and Exclusion Boundaries

- The Site and Exclusion Area Boundaries are shown in Figure 4.1-1.

- 4.1.2 Low Population Zone (LPZ)

- The LPZ is defined by the 3 mile radius from the site center point as shown in Figure 4.1-2.

2. Part 4 Technical Specifications Figure 4.1.-1 will be revised to duplicate FSAR Figure 2.1.1-203 including the removal of reference to railroad lines.

3. Part 4 Technical Specifications Figure 4.1.-2 will be revised to duplicate FSAR Figure 2.1.1-202.

Attachments/Enclosures:

None.

NRC Letter No.: LNP-RAI-LTR-099

NRC Letter Date: February 9, 2011

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 16.0-2

Text of NRC RAI:

As shown in FSAR, Chapter 2, Figures 2.1.1-202 and 2.1.1-203, the site maps present the Exclusion Area Boundary as a red dashed line. In the southeastern corner of these figures, the Exclusion Area Boundary appears to be indented to correspond to the site boundary. Technical Specifications, Section 4.1.1 "Site and Exclusion Boundaries", Figure 4.1-2 indicates that the Exclusion Area Boundary (red dashed line) extends beyond the property boundary (solid black line). This is also true of Figure 4.1-1. Please explain this discrepancy, or justify why this overlap of areas is appropriate.

PGN RAI ID #: L-0901

PGN Response to NRC RAI:

FSAR Chapter 2 Figures 2.1.1-202 and 2.1.1-203 accurately show the Exclusion Area Boundary indented area in the southeastern corner of the site that coincides with the Site Boundary. In a future revision, Figures 4.1-1 and 4.1-2 will be revised to duplicate FSAR Chapter 2 Figures 2.1.1-203 and 2.1.1-202 respectively.

Associated LNP COL Application Revisions:

See response to RAI 16.0-1 above.

Attachments/Enclosures:

None.