



Serial: NPD-NRC-2009-228
November 5, 2009

10CFR52.79

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
SUPPLEMENT 3 TO RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER
NO. 030 RELATED TO STABILITY OF SUBSURFACE MATERIALS AND FOUNDATIONS**

- References:
1. Letter from Brian C. Anderson (NRC) to Garry Miller (PEF), dated May 8, 2009, "Request for Additional Information Letter No. 030 Related to SRP Section 2.5.4 for the Levy County Nuclear Plant, Units 1 and 2 Combined License Application"
 2. Letter from Garry D. Miller (PEF) to U. S. Nuclear Regulatory Commission (NRC), dated June 9, 2009, "Response to Request for Additional Information Letter No. 030 Related to Stability of Subsurface Materials and Foundations," Serial: NPD-NRC-2009-104
 3. Letter from Garry D. Miller (PEF) to U. S. Nuclear Regulatory Commission (NRC), dated June 23, 2009, "Supplement 1 to Response to Request for Additional Information Letter No. 030 Related to Stability of Subsurface Materials and Foundations," Serial: NPD-NRC-2009-123
 4. Letter from Garry D. Miller (PEF) to U. S. Nuclear Regulatory Commission (NRC), dated September 3, 2009, "Supplement 2 to Response to Request for Additional Information Letter No. 030 Related to Stability of Subsurface Materials and Foundations," Serial: NPD-NRC-2009-202

Ladies and Gentlemen:

Progress Energy Florida, Inc. (PEF) hereby submits a supplemental response to the Nuclear Regulatory Commission's (NRC) request for additional information provided in Reference 1.


A supplemental response to one of the NRC questions (02.05.04-19) 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 November 5, 2009.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Elnitsky', with a long horizontal flourish extending to the right.

John Elnitsky
Vice President
Nuclear Plant Development

Enclosure

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

Levy Nuclear Plant Units 1 and 2
Supplement 3 to Response to NRC Request for Additional Information Letter No. 030
Related to SRP Section 02.05.04 for the Combined License Application,
Dated May 8, 2009

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
02.05.04-15	L-0198	NPD-NRC-2009-123; June 23, 2009
02.05.04-16	L-0199	NPD-NRC-2009-104; June 9, 2009
02.05.04-17	L-0200	NPD-NRC-2009-104; June 9, 2009
02.05.04-18	L-0201	NPD-NRC-2009-104; June 9, 2009
02.05.04-19	L-0528 & L-0602	NPD-NRC-2009-202; September 3, 2009 & Supplemental response enclosed
02.05.04-20	L-0204	NPD-NRC-2009-104; June 9, 2009
02.05.04-21	L-0205	NPD-NRC-2009-104; June 9, 2009
02.05.04-22	L-0530	NPD-NRC-2009-202; September 3, 2009

NRC Letter No.: LNP-RAI-LTR-030

NRC Letter Date: May 8, 2009

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 02.05.04-19

Text of NRC RAI:

FSAR Section 2.5.4.8.5 states that liquefiable zones are isolated, not continuous, and not within the passive wedge of the nuclear island considering sliding. Insufficient information is available in the FSAR to determine the accuracy of these statements.

Please provide sufficient information for the staff to confirm that the zones are isolated, not continuous, and outside of the passive wedge zone around the nuclear island.

PGN RAI ID #: L-0602

PGN Response to NRC RAI:

Please see the previous response (PGN RAI # L-0528) given in Letter NPD-NRC-2009-202 submitted on September 3, 2009 for details. This supplemental response is to provide an additional revision to the LNP COL Application (see below).

Associated LNP COL Application Revisions:

In addition to the COL Application revisions previously documented for PGN RAI # L-0528 in Letter NPD-NRC-2009-202, the following additional change will be made to the LNP COLA in a future revision:

1.) Revise the following text in FSAR Section 14.3.3.2 from:

The design of the waterproof membrane beneath the nuclear island basemat is described in DCD Subsection 3.4.1.1.1.1. Waterproof Membrane ITAAC have been developed to address verification that the mudmat-waterproofing-RCC interface beneath the nuclear island basemat has a minimum coefficient of friction to resist sliding of 0.7.

to:

The design of the waterproof membrane beneath the nuclear island basemat is described in DCD Subsection 3.4.1.1.1.1. Waterproof Membrane ITAAC have been developed to address verification that the mudmat-waterproofing-RCC interface beneath the nuclear island basemat has a minimum coefficient of friction to resist sliding of 0.55.

Attachments/Enclosures:

None.