



Serial: NPD-NRC-2009-178
August 6, 2009

10CFR52.79

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

**LEVY NUCLEAR POWER PLANT, UNITS 1 AND 2
DOCKET NOS. 52-029 AND 52-030
RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION LETTER NO. 063 RELATED TO
OFFSITE POWER SYSTEM**

Reference: Letter from Tanya Simms (NRC) to Garry Miller (PEF), dated July 21, 2009,
"Request for Additional Information Letter No. 063 Related to SRP Section 08.02
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 a change that will be made in a future revision of the Levy Nuclear Power 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 (919) 546-6107.

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

Executed on August 6, 2009.

Sincerely,

A handwritten signature in black ink, appearing to read 'Garry D. Miller'.

Garry D. Miller
General Manager
Nuclear Plant Development

Enclosure

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

DO94
NRC

**Levy Nuclear Power Plant Units 1 and 2
Response to NRC Request for Additional Information Letter No. 063 Related to
SRP Section 08.02 for the Combined License Application, dated July 21, 2009**

NRC RAI #

08.02-7

Progress Energy RAI #

L-0526

Progress Energy Response

Response enclosed – see following pages

NRC Letter No.: LNP-RAI-LTR-063

NRC Letter Date: July 21, 2009

NRC Review of Final Safety Analysis Report

NRC RAI NUMBER: 08.02-7

Text of NRC RAI:

Table 1.8-1 of the AP1000 design certification provides an interface item that states "the protective devices controlling the switchyard breakers are set with consideration given to preserving the plant grid connection following a turbine trip." This is to ensure that RCP bus voltage stays above the voltage required to maintain the flow assumed in the DCD Tier 2, Chapter 15 analyses for a minimum of 3 seconds following a turbine trip. Provide a reference to where this issue is discussed in the Levy application, or provide a proposed revision to the application to address the issue.

PGN RAI ID #: L-0526

PGN Response to NRC RAI:

The COLA will be updated to include the interface item described above.

Associated LNP COL Application Revisions:

COLA Part 2, FSAR Chapter 8, will be revised to add the following paragraph at the end of Subsection 8.2.1.2.1:

The protective devices controlling the switchyard breakers are set with consideration given to preserving the plant grid connection following a turbine trip.

Attachments/Enclosures:

None.