



**Progress Energy**

Serial: NPD-NRC-2009-010  
January 23, 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. 005 RELATED TO  
INITIAL PLANT TEST PROGRAM**

Reference: Letter from Manny Comar (NRC) to Garry Miller (PEF), dated December 29, 2008,  
"Request for Additional Information Letter No. 005 Related to SRP Section 14.02-  
Initial Plant Test Program 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 each NRC request is addressed in the enclosure.

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 January 23, 2009.

Sincerely,

Garry D. Miller  
General Manager  
Nuclear Plant Development

Enclosure

cc : U.S. NRC Director, Office of New Reactors/NRLPO  
U.S. NRC Office of Nuclear Reactor Regulation/NRLPO  
U.S. NRC Region II, Regional Administrator  
Mr. Brian C. Anderson, U.S. NRC Project Manager

**Levy Nuclear Power Plant Units 1 and 2  
Response to NRC Request for Additional Information Letter No. 005 Related to  
SRP Section 14.02 for the Combined License Application, dated December 29, 2008**

<u>NRC RAI #</u>	<u>Progress Energy RAI #</u>	<u>Progress Energy Response</u>
14.02-2	L-0018	Response enclosed – see following pages
14.02-3	L-0019	Response enclosed – see following pages

**NRC Letter No.:** LEVY-RAI-LTR-005

**NRC Letter Date:** December 29, 2008

**NRC Review of Final Safety Analysis Report**

**NRC RAI #:** 14.02-2

**Text of NRC RAI:**

Section 14.2.9.4.24 describes testing for the Raw Water System. This test abstract provides verification of system performance as described in Section 9.2.11 of the Levy FSAR. However, this test abstract does not address verification of operational heat tracing on system piping. The staff requests that the applicant revise Section 14.2.9.4.24 accordingly or justify this omission since this information was considered standard for all S-COLAs.

**PGN RAI ID #:** L-0018

**PGN Response to NRC RAI:**

The design of the Raw Water System for the Levy County Units 1 and 2, as described in Section 9.2.11 does not utilize heat tracing as this is not needed based on the geographical location. Therefore, operational testing is not required.

**Associated Levy COL Application Revisions:**

No COLA revisions have been identified associated with this response.

**Attachments/Enclosures:**

None.

**NRC Letter No.:** LEVY-RAI-LTR-005

**NRC Letter Date:** December 29, 2008

**NRC Review of Final Safety Analysis Report**

**NRC RAI #:** 14.02-3

**Text of NRC RAI:**

Regulatory Guide 1.68, Section C.1, "Criteria for selection of Plant Features to be Tested," provides the criteria for the selection of plant features to be tested during the conduct of initial test program. Standard COL information item 14.4.5 of the Westinghouse DCD states that the COL applicant is responsible for testing that may be required of structures and systems which are outside the scope of the design certification. Levy COL application addresses COL information item 14.4.5 and provides test abstracts for the following interfacing systems: · Site specific seismic sensors · Storm Drains · Offsite AC Power System · Raw Water System · Sanitary Drainage System · Fire Brigade Support Equipment Portable Personnel Monitors and Radiation Survey Instruments · Cooling Tower(s).

The NRC staff requests that Progress Energy Florida confirm that the test abstracts included in Section 14.2 of the Levy COL application to address COL information item 14.4.5 are applicable to Levy Units 1 & 2. In addition, the NRC staff requests that Progress Energy Florida confirm that there are no additional site-specific structures, systems and/or design features that meet the criteria of regulatory Position C.1 of RG 1.68 and that require testing be addressed in Section 14.2 of Levy COL application.

**PGN RAI ID #:** L-0019

**PGN Response to NRC RAI:**

Progress Energy confirms that the test abstracts included in Section 14.2 of the Levy COL application to address COL information item 14.4.5 are applicable to Levy County Units 1 & 2. Additionally, there are no other site-specific structures, systems, and/or design features that require testing.

**Associated Levy COL Application Revisions:**

No COLA revisions have been identified associated with this response.

**Attachments/Enclosures:**

None.