



Serial: NPD-NRC-2012-012
April 12, 2012

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
30-DAY RESPONSE TO NRC RAI LETTER 108 – IMPLEMENTATION OF FUKUSHIMA NEAR-TERM TASK FORCE RECOMMENDATIONS**

Reference: Letter from Mark Tonacci (NRC) to John Elnitsky (PEF), dated March 15, 2012, "Request for Additional Information Letter No. 108 Concerning Implementation of Fukushima Near-Term Task Force Recommendations"

Ladies and Gentlemen:

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

RAI Letter 108 requested additional information that describes how PEF has addressed (or plans to address) the following four actions in SECY-12-0025 that were approved by SRM-12-0025:

- a. Evaluation of the Levy site for updated seismic hazards
- b. Mitigating strategies for beyond design basis external events
- c. Reliable spent fuel pool instrumentation
- d. Emergency preparedness staffing and communications

As allowed in the referenced letter, PEF is providing a schedule for the response to Item a. in this letter. Item a., seismic hazards, requires an evaluation of the seismic hazards at the Levy site against those utilizing NRC requirements and guidance in Recommendation 2.1 – Enclosure 7 of SECY-12-0025. We have initiated this evaluation, first through a preliminary evaluation that will be followed by a rigorous reevaluation of the seismic hazard. The preliminary evaluation shows that the Levy site is bounded by the existing evaluation. This preliminary evaluation, however, does not implement the new NRC requirement that the cumulative absolute velocity (CAV) filter should be limited to M_w less than or equal to 5.5.

In order to provide a comprehensive evaluation of the site response in accordance with the request of RAI letter 108, PEF will update the Levy seismic hazard analysis utilizing the requirements and guidance of Attachment 1 to the Seismic Enclosure 1 (Steps 1 and 2) of the NRC letter dated March 12, 2012 entitled, "Request for Information Pursuant to Title 10 of the Code of Federal Regulations 50.54(f) Regarding Recommendations 2.1, 2.3, and 9.3, of the Near Term Task Force Review of Insights from the Fukushima Dai-Ichi Accident" to confirm that the seismic response of the site utilizing current NRC requirements (RG 1.208) ensures the protection of structures systems and components important to safety against the updated hazards. Our current schedule for completing the analyses and providing a complete response to this item enables a revision to the Levy COL application in August 2012.

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PEF is coordinating the structure of the Levy responses to items b., c., and d. with other AP1000 licensees and applicants to ensure they are consistent with expected responses to address these issues for other licensees. PEF will provide this information as a 60-day response to RAI Letter 108.

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 April 12, 2012.

Sincerely,



John Elnitsky
Vice President
New Generation Programs & Projects

cc : U.S. NRC Region II, Regional Administrator
Mr. Don Habib, U.S. NRC Project Manager