



L-2012-261  
10 CFR 52.3

July 12, 2012

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

Re: Florida Power & Light Company  
Proposed Turkey Point Units 6 and 7  
Docket Nos. 52-040 and 52-041  
10 CFR 50.46 Thirty (30) Day Report for the AP1000 Standard Plant Design

Reference:

1. FPL Letter L-2009-144 to NRC, dated June 30, 2009, Application for Combined Licenses for Turkey Point Units 6 and 7
2. WEC Letter DCP\_NRC\_003214 to the NRC dated June 13, 2012, 10 CFR 50.46 Thirty (30) Day Report for the AP1000 Standard Plant Design
3. WEC Letter DCP\_NRC\_003207 to the NRC dated March 15, 2012, 10 CFR 50.46 Annual Report for the AP1000 Standard Plant Design
4. FPL Letter L-2012-144 to NRC dated April 9, 2012, 10 CFR 50.46 Annual Report for the AP1000 Standard Plant Design

Florida Power & Light Company (FPL) submitted an application for combined licenses (COL) for Turkey Point Units 6 and 7 to be located in Miami-Dade County, FL on June 30, 2009, (Reference 1). The purpose of this letter is to provide a required thirty (30) day report in accordance with 10 CFR 50.46, Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors, paragraph (a)(3)(iii) for the COL application submitted for Turkey Point Units 6 and 7.

On June 13, 2012, Westinghouse Electric Company (WEC) submitted a thirty-day report (Reference 2) to document the effects of fuel thermal conductivity degradation (TCD) and peaking factor burn down on the Large Break Loss-of-Coolant Accident (LBLOCA) Analysis of Record for the AP1000 Standard Plant Design. A summary of the updated peak cladding temperature (PCT) allocations and their bases including a proposed schedule for reanalysis of the LBLOCA were provided in the WEC report. Prior to this report, the most recent 10 CFR 50.46 WEC report for the AP1000 Standard Plant Design was provided to the NRC on March 15, 2012 (Reference 3).

The COL application for Turkey Point Units 6 and 7 incorporate by reference the AP1000 Generic Design Control Document (DCD), as modified by departures, and thus, utilize the peak cladding temperature calculations performed by WEC. Therefore, the WEC thirty-day report and WEC reanalysis schedule are also applicable to the Turkey Point Units 6 and 7 COL application. Prior to this report, the most recent 10 CFR 50.46 report for Turkey Point Units 6 and 7 was provided to the NRC on April 9, 2012 (Reference 4).

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If you have any questions, or need additional information, please contact me at 561-694-3209.

Sincerely,

A handwritten signature in black ink that reads "Steve Franzone". The signature is written in a cursive style with a large, prominent "S" at the beginning.

Steve Franzone  
Licensing Manager – New Nuclear Projects

SMF/GRM

cc:  
PTN 6 & 7 Project Manager, AP1000 Projects Branch 1, USNRC DNRL/NRO  
Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant 3 & 4