



L-2015-109  
10 CFR 52.3  
10 CFR 50.46(a)(3)

April 15, 2015

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 Annual Report for the AP1000 Standard Plant Design

References:

1. FPL Letter L-2009-144 to the NRC dated June 30, 2009, Application for Combined License for Turkey Point Units 6 and 7
2. WEC Letter DCP\_NRC\_003285 to the NRC dated March 25, 2015, 10 CFR 50.46 Annual 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

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, Florida on June 30, 2009, (Reference 1). The purpose of this letter is to provide a required report in accordance with 10 CFR 50.46 (a)(3), Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors.

Westinghouse Electric Corporation (WEC) submitted its 10 CFR 50.46 annual report (Reference 2) to the Nuclear Regulatory Commission (NRC) on March 25, 2015. As stated in the WEC Report (Reference 2), there are no emergency core cooling system (ECCS) model changes that impact peak cladding temperature (PCT) for the 2014 – 2015 model year. The estimated PCT for the best estimate loss of coolant accident (BELOCA) remains at 2010°F and does not exceed the 10 CFR 50.46 (b)(1) acceptance criterion of 2200°F. The summary of the PCT margin allocations and their bases are provided in the Attachment of Reference 2.

On December 30, 2011, the NRC amended its regulations to certify an amendment to the Design Certification Rule for the AP1000. As such, AP1000 Design Control Document (DCD) Revision 19, now documents the analyses of record. Therefore, the WEC report dated March 15, 2012 (Reference 3) updated the analyses of record based upon the AP1000 DCD Revision 19.

Florida Power & Light Company

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NRC

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The FPL COL application (Reference 1) incorporates by reference the AP1000 DCD, Revision 19 and thus, also the peak fuel cladding temperature calculations performed by WEC. Therefore, the WEC 10 CFR 50.46 annual report (Reference 2) is applicable to the Turkey Point Unit 6 & 7 AP1000 COL application.

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 fluid and cursive, with the first name "Steve" and last name "Franzone" clearly legible.

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