



L-2013-120  
10 CFR 52.3  
10 CFR 50.46(a)(3)

April 4, 2013

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

Reference:

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\_003242 to the NRC dated March 27, 2013, 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
4. 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
5. WCAP-13451, Westinghouse Methodology for Implementation of 10 CFR 50.46 Reporting, October 1992

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 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 27, 2013.

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.

WEC submitted a 30-day report dated June 13, 2012 (Reference 4) which documented the results of its evaluation of the effect of fuel thermal conductivity degradation and peaking factor burndown on the AP1000 Large Break Loss-of-Coolant Accident

Florida Power & Light Company

700 Universe Boulevard, Juno Beach, FL 33408

DO NOT  
NRD

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Analysis of Record presented in the DCD. This change represented a non-discretionary change in accordance with section 4.1.2 of WCAP-13451 (Reference 5). The information on this change was included in Attachment 1 of WEC letter dated March 27, 2013, (Reference 2). Information on additional discretionary and non-discretionary changes was also included in Attachment 1 of Reference 2. There are no additional ASTRUM or NOTRUMP evaluation model changes for the 2012 model year from those reported in the last 10 CFR 50.46 report documented in WEC letter dated March 15, 2012. (Reference 3)

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 cursive script that reads "Steve Franzone".

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