



L-2019-079
10 CFR 52.3
10 CFR 50.46(a)(3)

April 9, 2019

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

Re: Florida Power & Light Company
Turkey Point Units 6 and 7
Docket Nos. 52-040 and 52-041
2018 Model Year 10 CFR 50.46
Annual Report for the AP1000 Plant Design

Reference:

Westinghouse Electric Company Letter DCP_NRC_000146 to the NRC dated March 26, 2019 – 10 CFR 50.46 Annual Report for the AP1000® Plant Design (ADAMS Accession No. ML19088A128)

The purpose of this letter is to provide a required report in accordance with 10 CFR 50.46, Acceptance Criteria for Emergency Core Cooling Systems for Light-Water Nuclear Power Reactors, for Turkey Point Units 6 and 7 (PTN 6 & 7). The PTN 6 & 7 COLs incorporate by reference AP1000 Design Certification Document (DCD) Revision 19, and thus also the peak fuel cladding temperature calculations performed by Westinghouse Electric Corporation (WEC). Accordingly, the referenced WEC 2018 Model Year 10 CFR 50.46 annual report for the AP1000 Design Certification analysis of record (AOR) applies to PTN 6 & 7.

As described in the referenced annual report, there are no new emergency core cooling system model changes that impact peak cladding temperature (PCT) for the 2018 model year. The estimated PCT for the large break loss of coolant accident remains at 2010°F and does not exceed the 10 CFR 50.46(b)(1) acceptance criterion of 2200°F. The summary of the AP1000 Design Certification AOR PCT margin allocations and their bases are provided in Attachment 1 of the reference letter.

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If you have any questions, or need additional information, please contact me at 561-691-2296.

Sincerely,

A handwritten signature in black ink that reads "Steve Franzone". The signature is written in a cursive style with a long horizontal flourish at the end.

Steve Franzone
Licensing Manager – New Nuclear Projects

SMF/RFO

cc:

USNRC Regional Administrator, Region II
USNRC PTN 6 & 7 Project Manager, AP1000 Licensing Branch 4, DNRL/NRO
USNRC Senior Resident Inspector, Turkey Point Nuclear Plant