



April 8, 2016  
L-2016-080  
10 CFR 50.46

U.S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, D. C. 20555-0001  
Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
10 CFR 50.46, "Acceptance Criteria for  
Emergency Core Cooling Systems in Light Water  
Nuclear Power Reactors" – 2015 Annual Report

References:

1. FPL letter from Michael Kiley to U.S. NRC Document Control Desk, "Turkey Point Units 3 and 4, Docket Nos. 50-250 and 50-251, 10 CFR 50.46, 'Acceptance Criteria for Emergency Core Cooling Systems in Light Water Nuclear Power Reactors' – 2014 Annual Report," L-2015-113, Accession No. ML15133A324, April 28, 2015.
2. Westinghouse Letter, M. W. James to C. Fries, "Florida Power and Light Company Turkey Point Units 3 & 4 – 10 CFR 50.46 Annual Notification and Reporting for 2015," NF-NEXT-16-31, February 24, 2016.

**10 CFR 50.46 2013 Annual Report**

10 CFR 50.46(a)(3)(ii) requires that licensees report to the Commission at least annually the nature of changes to, or errors discovered in, the Emergency Core Cooling System (ECCS) evaluation models (EM), or in the application of such models that affect the peak clad temperature calculation and their effect on the limiting ECCS analysis. Table 1 provides the Florida Power & Light Company (FPL) 10 CFR 50.46 Peak Cladding Temperature (PCT) 2015 report for Turkey Point Units 3 and 4.

FPL letter L-2014-084 (Reference 1), submitted the 2014 10 CFR 50.46 Annual Report. The 2014 annual report documented the Large Break Loss of Cooling Accident (LBLOCA) PCT of 2124°F and Small Break LOCA (SBLOCA) PCT of 1231°F for Turkey Point Units 3 and 4.

By letter dated February 24, 2016 (Reference 2), Westinghouse documented that during 2015 there were no new errors identified in the LBLOCA and SBLOCA Evaluation Models (EMs). The 2015 Turkey Point Units 3 and 4 LBLOCA and SBLOCA PCTs are 2124°F and 1231°F, respectively. The PCT cumulative changes are 80°F for LBLOCA and 0 °F for SBLOCA, respectively.

ADD2  
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10 CFR 50.46(a)(3)(ii) also requires that a schedule for reanalysis be provided or compliance with the requirements of the regulation be shown if the error is significant. Compliance with 10 CFR 50.46 requirements is demonstrated by total estimated LBLOCA and SBLOCA PCTs of 2124°F and 1231°F, respectively, both remaining below the limit of 2200°F.

Should there be any questions, please contact Mr. Mitch Guth, Licensing Manager, at 305-246-6698.

Sincerely,

A handwritten signature in black ink, appearing to read 'T. Summers', with a long horizontal stroke extending to the right.

Thomas Summers  
Vice President  
Turkey Point Nuclear Plant

cc: Regional Administrator, Region II, USNRC  
Senior Resident Inspector, USNRC, Turkey Point Plant

**TABLE 1**  
**Turkey Point Units 3 and 4**  
**LBLOCA and SBLOCA PCT 2015 Annual Report**

<u>LBLOCA</u>	<u>Peak Clad Temperature</u>	<u>Cumulative Change</u>
2014 10 CFR 50.46 Annual Report <sup>(Ref. 1)</sup>	2124 °F	80 °F
No Errors in 2015 <sup>(Ref. 2)</sup>		
<b>2015 10 CFR 50.46 Annual Report</b>	<b>2124 °F</b>	<b>80 °F</b>
 <u>SBLOCA</u>		
2014 10 CFR 50.46 Annual Report <sup>(Ref. 1)</sup>	1231 °F	0 °F
No Errors in 2015 <sup>(Ref. 2)</sup>		
<b>2015 10 CFR 50.46 Annual Report</b>	<b>1231 °F</b>	<b>0 °F</b>