



April 28, 2009
L-2009-073
10 CFR 50.46

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

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" – 2008 Annual Report

References:

1. Letter from W. Jefferson, Jr. to US NRC Document Control Desk, "Turkey Point Units 3 & 4, Dockets Nos. 50-250 and 50-251 10 CFR 50.46, "Acceptance Criteria for Emergency Core Cooling Systems in Light Water Nuclear Power Reactors" – 2007 Annual Report," L-2008-122, May 28, 2008.
2. Letter from M. E. Frankle to R. Rivera, "Turkey Point Units 3 and 4, 10CFR50.46 Report 2008," NF-FP-09-41, February 23, 2009.

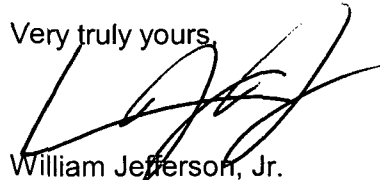
10 CFR 50.46(a)(3)(ii) requires that licensees report to the Commission at least annually the nature of changes to, or errors discovered in, the Emergency Core Cooling System (ECCS) evaluation models (EM), or in the application of such models that affect the peak clad temperature calculation and their effect on the limiting ECCS analysis. The attachment to this letter provides the Florida Power and Light Company (FPL) report for Turkey Point Units 3 and 4 for 2008.

FPL letter L-2008-122 (Reference 1), documented no changes in Peak Clad Temperature (PCT) for the Small Break Loss of Coolant Accident (SBLOCA) and several changes for the Large Break Loss of Coolant Accident (LBLOCA) during 2007 for Turkey Point Units 3 and 4. The LBLOCA PCT reported was 1986 °F, and the SBLOCA PCT reported was 1689 °F. The cumulative changes reported by L-2008-122 for the LBLOCA and SBLOCA were 271 °F and 105 °F, respectively. There were no changes to the PCT for the LBLOCA or SBLOCA during 2008. Attachment 1 provides the PCT cumulative changes for the LBLOCA and SBLOCA for Turkey Point Units 3 and 4.

10 CFR 50.46(a)(3)(ii) requires that changes to the LBLOCA Evaluation Model (EM) and SBLOCA EM PCT exceeding 50 °F have to be reported to the NRC within 30 days from its determination. Since there were no changes in PCT for the LBLOCA and SBLOCA evaluation models in 2008, no special reporting was required. 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. Compliance with 10 CFR 50.46 requirements is demonstrated by the total estimated LBLOCA PCT of 1986 °F, and the SBLOCA PCT of 1689 °F, both remaining well below the limit of 2200 °F and by the total cumulative PCT changes having been calculated conservatively. Accordingly, a schedule for reanalysis is not required.

Should there be any questions, please contact Robert Tomonto, Licensing Manager, at 305-246-7327.

Very truly yours,

A handwritten signature in black ink, appearing to read 'W. Jefferson, Jr.', written over the closing 'yours'.

William Jefferson, Jr.
Vice President
Turkey Point Nuclear Plant

Attachment

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

Table 1

<u>SBLOCA</u>	<u>Peak Cladding Temperature</u>	<u>Cumulative Change</u>
2007 10 CFR 50.46 Annual Report (Ref. 1)	1689 °F	105 °F
<u>Errors in 2008 (Reference 2)</u>		
Errors in lower plenum surface area calculations	0 °F	0 °F
Discrepancy in metal masses used from drawings	0 °F	0 °F
2008 10 CFR 50.46 Annual Report	1689 °F	105 °F
	<u>Peak Cladding Temperature</u>	<u>Cumulative Change</u>
<u>LBLOCA</u>		
2007 10 CFR 50.46 Annual Report (Ref. 1)	1986 °F	271 °F
<u>Errors in 2008 (Reference 2)</u>		
HOTSPOT burst temperature logic errors	0 °F	0 °F
2008 10 CFR 50.46 Annual Report	1986 °F	271 °F