



MAY 18 2006

L-2006-123
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" – 2005 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, 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 2005.

There were no changes in Peak Clad Temperature (PCT) in the Small Break Loss of Coolant Accident (SBLOCA) or the Large Break Loss of Coolant Accident (LBLOCA) for Turkey Point Units 3 and 4 during 2005. Attachment 1 provides the PCT cumulative changes for the LBLOCA and SBLOCA as reported for 2004 by FPL letter L-2005-096, dated April 27, 2005. The cumulative changes reported for the LBLOCA and SBLOCA were 113 °F and 105 °F, respectively.

The cumulative changes to the LBLOCA EM and SBLOCA EM PCT exceed 50 °F by 63 °F and 55 °F, respectively. As per 10 CFR 50.46 requirements, a change exceeding 50 °F has to be reported within 30 days from its determination. The 30-day reporting requirement was met by submittal of FPL letter L-2005-096. In addition to reporting, 10 CFR 50.46 also requires that a schedule for reanalysis be provided or compliance with the requirements of the regulation be shown. As discussed in FPL letter L-2005-096, compliance with 10 CFR 50.46 requirements is demonstrated by the total estimated LBLOCA PCT of 2064 °F and the SBLOCA PCT of 1689 °F remaining well below the limit of 2200 °F and by the total cumulative PCT changes having been calculated conservatively. Accordingly, no schedule for reanalysis is required.

Should there be any questions, please contact Walter Parker, Licensing Manager, at 305-246-6632.

Very truly yours,

A handwritten signature in black ink that reads "Terry O. Jones".

Terry O. Jones
Vice President
Turkey Point Nuclear Plant

Attachment

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

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Table 1

Turkey Point Units 3 and 4 SBLOCA and LBLOCA PCTs

	<u>Peak Cladding Temperature</u>	<u>Cumulative Change</u>
<u>UNITS 3 AND 4 SBLOCA</u>		
2004 10 CFR 50.46 Annual Report	1689 °F	105 °F
Changes in 2005	0 °F	0 °F
2005 10 CFR 50.46 Annual Report	1689 °F	105 °F
	<u>Peak Cladding Temperature</u>	<u>Cumulative Change</u>
<u>UNITS 3 AND 4 LBLOCA</u>		
2004 10 CFR 50.46 Annual Report	2064 °F	113 °F
Changes in 2005	0 °F	0 °F
2005 10 CFR 50.46 Annual Report	2064 °F	113 °F