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 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
 50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335
 50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389

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SUBJECT: Forwards "Decrease in Heat Removal by Secondary Sys."

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NOTES: *see 50-250 for ENCL.*

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OCTOBER 2 1989

L-89-326

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

Gentlemen:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Report NTH-TR-01, RETRAN MODEL QUALIFICATION

By letter L-86-04, dated January 7, 1986, Florida Power & Light Company (FPL) submitted to the NRC topical report NTH-G-6, "RETRAN Code Transient Analysis Model Qualification". Additional information was provided in letters L-87-91, dated March 2, 1987, and L-87-164, dated April 10, 1987. The Staff concluded in its Safety Evaluation dated April 19, 1988, (G.C. Lainas to W.F. Conway) that FPL had demonstrated the ability to use the RETRAN computer code to perform system transient calculations for St. Lucie Units 1 and 2 and Turkey Point Units 3 and 4. However, the Staff noted that the topical report did not present details in plant-specific nodalizations, control system modeling and assumptions for the licensing analyses.

On January 9, 1989, FPL and the NRC met to discuss FPL's plans for further use of RETRAN in licensing submittals. Based upon FPL's identification of a planned application of the "Decrease in Heat Removal of the Secondary System" event category, the Staff agreed to a RETRAN limited-scope submittal. However, the Staff requested that FPL not use a piecemeal approach to developing a full spectrum of licensing analyses for RETRAN beyond that submittal.

The purpose of this submittal is to provide the attached additional information required by the NRC for one specific class of transient events, "Decrease in Heat Removal by the Secondary System" and obtain NRC approval for the use of RETRAN in licensing actions associated with transients within this category. This submittal presents generic methods applicable to all four of FPL's nuclear units and is intended, at the outset, to support plant improvements for St. Lucie Plant to implement reactor trip reduction activities.

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If additional information is required on this topic, please contact us.

Very truly yours

J. H. Goldberg

J. H. Goldberg
Executive Vice President

JHG/MSD/tbj

Attachment

cc: Stewart D. Ebnetter, Regional Administrator, Region II, USNRC
Resident Inspector, Turkey Point, USNRC
Resident Inspector, St. Lucie, USNRC