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SUBJECT: Provides util response to NRC 930625 request for addl info
 re Topical Rept NTH-TR-01, "RETRAN Model Qualification -
 Decrease in Heat Removal by Secondary Sys."

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AUG 09 1993

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
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Re: Response to Request for Additional Information
Related to Topical Report NTH-TR-01, RETRAN
Model Qualification - St. Lucie Plant Unit Nos. 1
and 2 and Turkey Point Plant Unit Nos. 3 and 4
(TAC Nos. M75082, M75083, M75084 and M75085)

On June 25, 1993, a conference call was held with the NRC concerning Florida Power & Light Company's (FPL) report, NTH-TR-01, "RETRAN Model Qualification - Decrease in Heat Removal by the Secondary System." The purpose of this letter is to provide FPL's schedule for responding to the request for additional information and to provide a brief description of how FPL will respond to each of the questions.

Question 1: In the SG model the single node is not justified. Is it better or worse and why?

Numerical convergence of multinode is not discussed, for example to show that nothing is gained by going to multinode.

The FPL proposed methodology to analyze the Loss of Condenser Vacuum (LOCV) licensing type events uses a single node steam generator (SNSG) representation.

FPL will justify the use of the SNSG for the above type events. This justification will include a review of industry references and SNSG versus multinode steam generator (MNSG) comparisons.

Question 2: How do you compute SG liquid mixture level? Is it appropriate and conservative? How do you determine what is the right mass in determining the setpoint for the low-low SG level setpoint?

The FPL proposed methodology to analyze the Turkey Point Loss of Non-Emergency AC Power licensing event uses an MNSG representation.

FPL will detail the methodology for calculating steam generator liquid level in the analysis of the above event. This will include a review of the steam generator inventory used at the time of the trip.

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an FPL Group company

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Question 3: Why is the model adequate for Westinghouse and CE plants? Plant differences?

FPL will evaluate the impact of SNSG versus MNSG models in the analysis of the LOCV events for both Turkey Point and St. Lucie plants.

FPL will respond to these questions by September 30, 1993.

Currently, St. Lucie Unit (Unit 1 and 2) has a proposed license amendment on the docket (L-92-018, dated February 25, 1992) taking credit for the subject model. In addition, FPL is planning future technical specification submittals which will rely on the model as justification for the proposed changes.

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

Very truly yours,



W.H. Bohlke
Vice President
Nuclear Engineering and Licensing

WHB/TCG/vmg

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



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