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ACCESSION NBR: 8105050524 DOC. DATE: 81/04/28 NOTARIZED: NO DOCKET # 05000250
 FACIL: 50-250 Turkey Point Plant, Unit 3, Florida Power and Light Co. 05000251
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light Co. 05000251
 AUTH. NAME: UHRIG, R. E. AUTHOR AFFILIATION: Florida Power & Light Co.
 RECIP. NAME: EISENHUT, D. G. RECIPIENT AFFILIATION: Division of Licensing

SUBJECT: Advises that development of procedures for use of steam tables to determine subcooling will not add to present safety margin. Subcooling margin meters have been installed. Capability expanded to include redundancy feature.

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FEDERAL BUREAU OF INVESTIGATION		DEPARTMENT OF JUSTICE		WASHINGTON, D. C.	
DATE	FILE	DATE	FILE	DATE	FILE
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FLORIDA POWER & LIGHT COMPANY

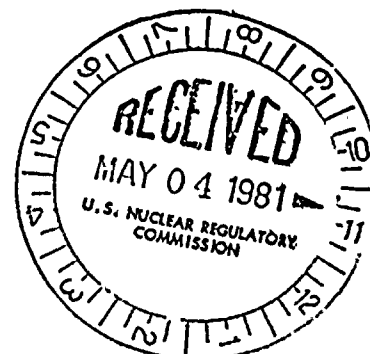
April 28, 1981

L-81-182

Director of Nuclear Reactor Regulation
Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Eisenhut:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 and 50-251
Procedures For Use of Steam Tables
To Determine Subcooling



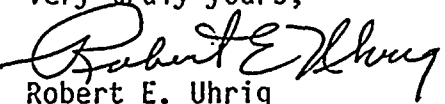
In our letter L-80-16, dated January 11, 1980, we submitted details concerning our actions being taken to meet our commitments to implement the category A items contained in NUREG 0578. With regard to the subcooling margin monitor portion of the instrumentation for detection of inadequate core cooling item, we stated that it was our intention to utilize the installed RTDs and to install reactor coolant pressure transmitters which would be solely dedicated to the new subcooling meters. Then as a backup, we planned to develop a procedure for the use of steam tables.

Since our January, 1980, correspondence, we have installed the subcooling margin meters and have expanded our capability in this area to include a redundancy feature. The plant computer (DDPS) was programmed to monitor incore temperature and pressurizer pressure independent of the subcooling meters.

Further work in the area of proceduralizing the use of steam tables a backup to the subcooling meter made evident the fact that the use of the DDPS system to monitor temperature and pressure provided a much better backup than would the steam tables. It was thus determined that development of a procedure for use of steam tables would not add to the operator's ability to ascertain subcooling margin. Therefore, a saturation curve was developed from the steam tables for quicker interpretation of the margin.

We feel that, with the means that are available now, development of a procedure for use of steam tables would not add to the present safety margin.

Very truly yours,


Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/JEM/mbd

8105050524

cc: J.P. O'Reilly, Director, Region II
Harold F. Reis, Esquire

