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FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250
50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
AUTH.NAME AUTHOR AFFILIATION
UHRIG,R.E. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
EISENHUT,D.G. 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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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

RECEIVED
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U.S. NUCLEAR REGULATORY COMMISSION

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

Robert E. Uhrig
Vice President
Advanced Systems and Technology

REU/JEM/mbd

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