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RECIP.NAME RECIPIENT AFFILIATION
THOMPSON,H.L. Division of Licensing

SUBJECT: Reaffirms commitment to submit appropriate Tech Specs re availability & performance monitoring of standby steam generator feedwater pumps & provides general info concerning status of sys.Two pumps installed.

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FLORIDA POWER & LIGHT COMPANY

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L-85-418

Office of Nuclear Reactor Regulation
Attention: Mr. Hugh L. Thompson, Jr., Director
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Thompson:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Standby Steam Generator Feedwater Pumps

My letter to Dr. Grace (L-85-372 dated September 30, 1985) contained a Florida Power & Light Company commitment to submit appropriate technical specifications related to availability and performance monitoring of the standby steam generator feedwater pumps at Turkey Point. The purpose of this letter is to reaffirm that commitment (a draft of the technical specifications has been prepared) and to provide general information regarding status of the system. The two pumps were installed to provide a source of demineralized feedwater to either unit during heatup, hot shutdown, low power physics testing, etc. and the two pumps may be used to serve as an emergency backup to the auxiliary feedwater supply. The system is a non-safety grade installation that greatly enhances backup feedwater capability. Following are some features and relevant information regarding the system:

- The pumps have been used during hot shutdown condition to feed the steam generators.

- The pumps are electric motor driven and are powered from the 3C and 4C 4160 volt busses respectively. These busses can be energized directly via cable runs internal to the site from the 4160V output bus of the five individual non-safety grade diesel generators rated at nominal 2500 KW each.

- The pumps take suction from a 500,000 gallon capacity non-safety grade demineralized water storage tank and discharge to the feedwater header of either or both units such that flow to the steam generators is controlled by the feedwater bypass regulators.

- The system is an outdoor installation as are many of the safety grade systems at this plant. While the service history is relatively short (the pumps were placed in service in December 1984 and April 1985 respectively), they have experienced adverse weather conditions such as heavy rains without known degradation of operability.

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- Training on the system including power supply features has been conducted for licensed and non-licensed operators.
- Use of the system is addressed in normal and emergency procedures.
- The pumps are checked monthly by running them on recirculation flow.
- The A pump has been functionally tested with power supplied from the non-safety grade diesel generators. This testing requires a unit outage and is planned for the B pump during the upcoming Unit 4 refueling.

In summary, we are confident that the addition of this system has provided a reliable, diverse source of backup feedwater that greatly enhances our ability to maintain inventory in the steam generators under emergency conditions. Obviously, current administrative controls for this system will be further improved by reviews conducted in relation to the technical specification development.

If you or your staff have any need for additional information prior to submittal of the technical specifications, we will be pleased to respond.

Very truly yours,

C. Mecoody
for J. W. Williams, Jr.
Group Vice President
Nuclear Energy

JWW/JKH/mls

cc: James R. Taylor, Director I & E, USNRC
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