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50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251
AUTH.NAME AUTHOR AFFILIATION
WILLIAMS,J.W. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
VARGA,S.A. Operating Reactors Branch 1

SUBJECT: Advises that 841005 commitment to use discharge of high head safety injection pump as Seismic Category 1 source of makeup water for spent fuel pit inappropriate for pit cooling.Pit cooling loop will be upgraded as alternative.

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FLORIDA POWER & LIGHT COMPANY

October 29, 1984
L-84-303

Office of Nuclear Reactor Regulation
Attention: Mr. Steven A. Varga, Chief
Operating Reactor Branch #1
Division of Licensing
U. S. Nuclear Regulatory Commission

Dear Mr. Varga:

Re: Turkey Point Units 3 & 4
Docket Nos. 50-250 & 50-251
Proposed Amendment to
Spent Fuel Storage Facility Expansion
Additional Information

By letter, L-84-264, dated October 5, 1984, FPL committed to use the discharge of a high head safety injection (HHSI) pump as a seismic category I source of make-up water for the spent fuel pit (SFP). During preparation of the design package it was determined that this method was not appropriate for SFP cooling. As an alternative, FPL will upgrade the SFP cooling loop such that it will remain functional after a safe shutdown earthquake. Portions of the cooling loop required for spent fuel cooling will be analyzed and modified, as necessary, to assure the cooling function is not lost as a result of the seismic event.

The design, procurement, and construction associated with this upgrade will be completed by the end of the second refueling outage after completion of each spent fuel storage facility expansion. This time frame is considered appropriate since the present license allows for storage of at least 614 assemblies per unit. This storage capacity would not be reached until about 1990 (see Table 5-1 of the Spent Fuel Storage Facility Modification Safety Analysis Report submitted on March 14, 1984).

If you have any further questions, please contact us.

Very truly yours,

J. W. Williams, Jr.
Group Vice President
Nuclear Energy

JWW/TCG/kgn

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

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