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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
WILLIAMS,J.W. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
EISENHUT,D.G. Division of Licensing

SUBJECT: Application to amend Licenses DPR-31 & DPR-41,changing Tech Specs to expand spent fuel storage facilities to accommodate expected increase in inventory of spent fuel assemblies above capacity of existing storage facility. See ~~letter~~ proposed Tech Specs

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FLORIDA POWER & LIGHT COMPANY

March 14, 1984
L-84-71

Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commision
Washington, D.C. 20555

Attention: Mr. Darrell G. Eisenhut, Director
Division of Licensing

Dear Mr. Eisenhut:

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

In accordance with 10 CFR 50.90, Florida Power & Light Company submits herewith three signed originals and forty copies of a request to amend Facility Operating Licenses DPR-31 and 41.

This amendment is submitted to modify the existing Turkey Point Units 3 and 4 spent fuel storage facilities to accommodate an expected increase in the inventory of spent fuel assemblies above the capacity of the existing storage facility. The attached Safety Analysis Report contains details of the design, design analysis, and safety evaluation of the proposed modification.

The proposed amendment will involve Technical Specification changes as described below and as shown on the accompanying Technical Specification pages (Attachment 1).

T. S. Pages ii, iv, v

Changes to Table of Contents.

T.S. Page 3.12-1 and Page B3.12-1

The minimum time period for spent fuel decay prior to cask handling operations in the spent fuel pool is proposed to be increased to 1525 hours. The affected Bases for this proposal is also modified to reflect this change.

T.S. Page 3.17-1, Table 3.17-1 and Page B3.17-1

This new Technical Specification and Bases provide for control of placement of spent fuel assemblies in the spent fuel racks and incorporates boron concentration limits. Table 3.17-1 provides the fuel burnup requirements for placement into Region II locations of the multi region high density spent fuel racks.

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Table 4.1-2 (Sheet 2 of 3)

The sampling frequency of boron concentration in the spent fuel pit is adjusted to monthly.

T.S. Page 5.4-1

This Technical Specification is modified to reflect the design of the new spent fuel racks. The boron concentration requirement during refueling operations is expanded and relocated to Technical Specification 3.17-1.

By letter dated March 17, 1977, the Commission approved Amendments 23 and 22 to facility operating licenses DPR-31 and DPR-41, respectively, for modification to FPL's Turkey Point Units 3 and 4 spent fuel storage facilities. These modifications consisted of reracking the Unit 3 and 4 spent fuel pools with high density fuel storage racks which increased the storage capacity for each pool from 217 fuel assemblies to 621 fuel assemblies. Industry operating experience since this last modification, is considered by FPL to have demonstrated the well developed reracking technology used. FPL proposes to continue to use well developed reracking technology that results in negligible impact to the environment and the public health and safety as addressed in the attached Safety Analysis Report.

FPL desires approval of these proposed amendment by October 15, 1984 in order to support installation of the new racks prior to the unit shutdown for refueling (tentatively scheduled to begin March 1985).

The delay of issuance of the amendments beyond the above date would cause increased fuel transfer between units. That increased transfer will result in additional unnecessary radiation exposure to personnel, significant increases in construction delays and would increase the economic burden on FPL for the reracking efforts.

Attachment 2 provides our conclusion that no significant hazard is produced by this proposed amendment. An evaluation of the proposed action in light of the three standards contained in 10 CFR 50.92, regarding the issue of no significant hazards consideration and examples are provided.

In accordance with 10 CFR 170.22, this proposed license amendment has been determined to represent a Class I and III amendment. Accordingly, a check for $4,400.00 will be forwarded under separate cover.

The proposed amendment has been reviewed by the Turkey Point onsite review board and the Florida Power & Light Company Nuclear Review Board.

Very truly yours,

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

JWW/JEM/GJK/cab

Attachment

cc: Mr. J. P. O'Reilly
Mr. Harold Reis, Equire