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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 AUTHORITY AFFILIATION
 WOODY, C. O. Florida Power & Light Co.
 RECIP. NAME RECIPIENT AFFILIATION
 Document Control Branch (Document Control Desk)

SUBJECT: Advises that at time of next blackness testing &
 surveillance of Boraflex max fuel enrichment will be less
 than 4.1%. Util will not store fuel w/enrichment greater than
 4.1% prior to surveillance.

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AUGUST 27 1987

L-87-363

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, D. C. 20555

Gentlemen:

Re: Turkey Point Units 3 and 4
Docket Nos. 50-250 and 50-251
Request for Additional Information
Boraflex

Our letter L-87-279, dated July 10, 1987, provided the results of a sensitivity analysis performed for Turkey Point Units 3 and 4 spent fuel racks. This analysis was performed to show the affect of postulated gaps on maintaining the 0.95 K_{eff} shutdown criteria. The analysis shows that Florida Power & Light (FPL) will be able to maintain the 0.95 K_{eff} shutdown criteria for future fuel cycles, assuming that each Boraflex plate has gaps of 3.5 inches and each storage cell in the fuel racks has an assembly with an enrichment of 4.1%. There are no indications of gaps as a result of the blackness testing at Turkey Point, and the enrichment of the new fuel currently used at Turkey Point ranges from 3.4% to 3.6%. Under FPL's fuel management program and the current limits on reactor operations, FPL will only be able to increase the maximum Turkey Point fuel enrichment in small increments (approximately 0.2%) each cycle. Therefore, at the time of the next blackness testing and surveillance of the Boraflex in approximately three years, the maximum fuel enrichment at Turkey Point will be less than 4.1%. Prior to completion of that surveillance, FPL will not store fuel with an enrichment greater than 4.1%.

Should there be any questions, please contact us.

Very truly yours,

C. O. Woody
Group Vice President
Nuclear Energy

COW/RG/gp

Attachment

cc: Dr. J. Nelson Grace, Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, Turkey Point Plant

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