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ACCESSION NBR: 8312280267 DOC. DATE: 83/12/21 NOTARIZED: NO DOCKET #  
 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  
 VARGA, S.A. Operating Reactors Branch 1

SUBJECT: Submits schedule for providing integral neutron source data to evaluate pressurized thermal shock flux reduction program.

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 TITLE: OR Submittal: Thermal Shock to Reactor Vessel

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Office of Nuclear Reactor Regulation  
Attention: Mr. Steven A. Varga, Chief  
Operating Reactors Branch #1  
Division of Licensing  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Re: Turkey Point Units 3 & 4  
Docket Nos. 50-250 & 50-251  
Pressurized Thermal Shock -  
Flux Reduction Program

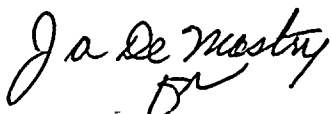
Dear Mr. Varga:

Your letter dated November 17, 1983 requested a schedule for providing integral neutron source data to allow evaluation of FPL's flux reduction. This data will be supplied on the following schedule:

Unit 4 Cycle 9	March 1, 1984
Unit 3 Cycle 9	April 1, 1984
Unit 4 Cycle 10	August 1, 1984

Regarding your letter, we would like to clarify that the expected flux reduction factor of 3.3 will be achieved by the use of a combination of highly burned fuel and borosilicate glass burnable absorbers on the core flats of Turkey Point Unit 3 Cycle 9. The use of Optimized Fuel Assembly and Wet Annular Burnable Absorber designs is for the purpose of nuclear fuel economy and is unrelated to the flux reduction. Also, the near term flux reduction factor of 3.3 is anticipated to extend our reaching the screening criteria to the year 2004. The expected long term flux reduction factor of about 4 in subsequent cycle core designs will extend this time to 2007.

Very truly yours,



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

JWW/ERK/daj

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

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