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

SUBJECT: Requests deletion of inservice insp program from commitment documented in Apr 1983. SSER 3 re LP turbine discs & replacement w/commitment to perform insp per Westinghouse recommended intervals.

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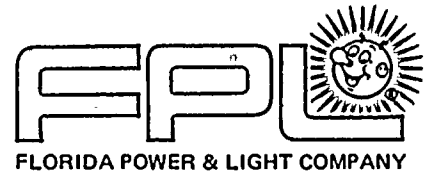
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April 9, 1984  
L-84-97

Office of Nuclear Reactor Regulation  
Attention: Mr. Darrell G. Eisenhut, Director  
Division of Licensing  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dear Mr. Eisenhut:

Re: St. Lucie Unit 2  
Docket No. 50-389  
Turbine Disc Integrity

Section 10.2.1 of the St. Lucie Unit 2 Safety Evaluation Report (October 1981) contained your staff's conclusion that the LP turbine discs should be inspected during the first refueling outage. This commitment was documented in our Inservice Inspection Program as required in Supplement 3 to the Safety Evaluation Report (April 1983). We are now requesting that this inspection be deleted, and replaced with our commitment to perform LP turbine disc inspection in accordance with our turbine vendor's (Westinghouse) recommended intervals.

The earlier inspection commitment resulted from the review of the St. Lucie Unit 2 FSAR. At the time of the review, we had not yet received from Westinghouse the recommended inspection intervals for the Unit 2 LP rotors. This was due to the fact that Westinghouse at that time was giving priority to the operating plants and determined the inspection intervals for those plants first. FPL received from Westinghouse a letter dated January 30, 1982 containing the recommended inspection intervals for the St. Lucie Unit 2 LP rotors. This letter specifies an inspection interval of 3.49 years for LP #1 and an inspection interval of 3.12 years for LP #2. These recommended inspection intervals comply with the new criteria accepted by NRC and detailed in the NRC letter to FPL dated August 21, 1981. The NRC concluded that the Westinghouse inspection intervals for discs on nuclear LP rotors provide an acceptably high degree of assurance that the discs will be inspected before cracks can grow to a size that could cause disc failure at speeds up to design speed. FPL subsequently committed to follow the inspection intervals recommended by Westinghouse for our then operating units, St. Lucie Unit 1 and Turkey Point Units 3 & 4.

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Office of Nuclear Reactor Regulation  
Attention: Mr. Darrell G. Eisenhut, Director  
Page 2

We hereby make the same commitment to follow Westinghouse recommendations for St. Lucie Unit 2.

Therefore, based on the April 1980 pre-service inspection of the St. Lucie Unit 2 LP rotors in which no cracks were detected, and with our commitment to follow the NRC approved vendor inspection intervals, it is our conclusion that the requirement to inspect the turbine LP discs during the first refueling outage can be deleted without affecting the health and safety of the public. In accordance with the Westinghouse recommended inspection intervals, we plan on inspecting the LP discs during the second refueling outage in the Spring of 1986.

Very truly yours,



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

JWW/SHS/js

Attachment

cc: Director of Management and Program Analysis, USNRC  
Harold F. Reis, Esquire  
PNS-LI-84-119