

**Florida
Power**
CORPORATION

March 20, 1984
3F0384-12

Mr. H. R. Denton, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, DC 20555

SUBJECT: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Technical Specification Change Request No. 112, Supplement 1
Steam Generator Operating Level

Dear Mr. Denton:

Enclosed are three (3) originals and forty (40) copies of Request No. 112, Supplement 1, requesting amendment to Appendix A of Operating License No. DPR-72. As part of this request, the proposed pages are enclosed.

This supplement is provided at the request of your staff (NRC) to provide greater assurance that operation with "flooded" aspirating ports is strictly prohibited. Our original submittal took credit for the fact that such operation would thermal-hydraulically cause an immediate reduction in superheat which would, in turn, reduce the acceptable operating level via the restrictions proposed in the change. Furthermore, Florida Power Corporation planned to impose administrative limits similar to those proposed herein. Nevertheless we concur that this "clarification" will still allow sufficient flexibility and will obviate the need for a detailed mechanical analysis evaluating the potential of flooding the tube annulus region with cooler feedwater.

Also, at your staff's request, Florida Power Corporation reviewed with responsible Babcock and Wilcox staff the potential for this request adversely affecting mechanical stress levels in the Steam Generator. This subject, in general, is discussed in Section 4.3.4 of the Crystal River Unit 3 Final Safety Analysis Report (FSAR). The following points were considered.

- a) The Steam Generator inventory, and hence available coolant, is maintained at or below FSAR assumptions. Therefore, the Steam Generator cooldown resulting from a Main Steam Line Break is unaffected.

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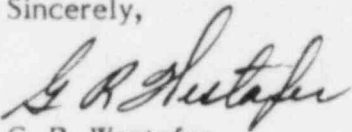
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- b) The Steam Generator downcomer is at or near saturation conditions immediately below the aspirating port regardless of downcomer (i.e. Operating Range) level. Therefore approval of this change is not likely to induce any substantially different thermal gradients on the Generator shell.

Based on the above, FPC does not consider this change to involve any significant effect on the present stress level in the Steam Generators.

We further request that this change, as supplemented, be pursued on an exigent or emergency basis since we are now experiencing minor power reductions due to the current Steam Generator level restrictions. We have established an approximately 2 degrees F delta T across the reactor coolant system to balance Steam Generator levels and are now limited to approximately 98% Full Power.

Sincerely,



G. R. Westafer
Manager, Nuclear Operations
Licensing and Fuel Management

PGH/ddl

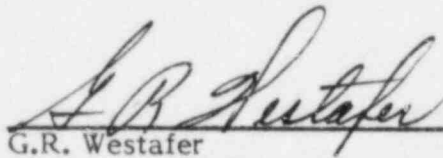
Enclosures

cc: Mr. J.P. O'Reilly
Regional Administrator, Region II
Office of Inspection and Enforcement
U.S. Nuclear Regulatory Commission
101 Marietta Street, N.W., Suite 2900
Atlanta, GA 30303

STATE OF FLORIDA

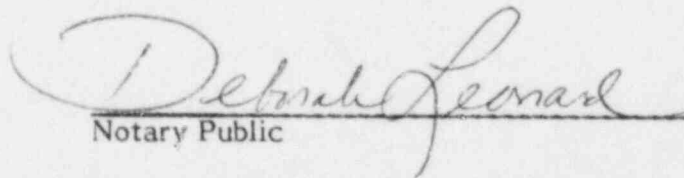
COUNTY OF PINELLAS

G.R. Westafer states that he is the Manager, Nuclear Operations Licensing and Fuel Management for Florida Power Corporation; that he is authorized on the part of said company to sign and file with the Nuclear Regulatory Commission the information attached hereto; and that all such statements made and matters set forth therein are true and correct to the best of his knowledge, information, and belief.



G.R. Westafer
Manager, Nuclear Operations Licensing and Fuel
Management

Subscribed and sworn to before me, a Notary Public in and for the State and County above named, this 20th day of March, 1984.



Notary Public

Notary Public, State of Florida at Large,

My Commission Expires: November 19, 1986

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF)

FLORIDA POWER CORPORATION)

DOCKET No. 50-302

CERTIFICATE OF SERVICE

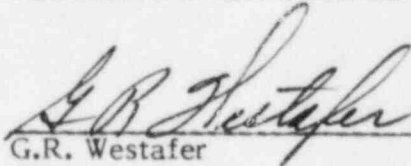
G.R. Westafer deposes and says that the following has been served on the Designated State Representative and the Chief Executive of Citrus County, Florida, by deposit in the United States mail, addressed as follows:

Chairman,
Board of County Commissioners
of Citrus County
Citrus County Courthouse
Inverness, FL 32650

Administrator
Radiological Health Services
Department of Health and
Rehabilitative Services
1323 Winewood Blvd.
Tallahassee, FL 32301

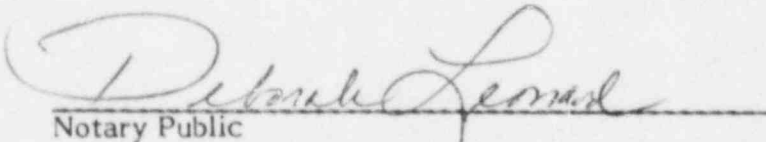
Three (3) copies of Technical Specification Change Request No. 112, Supplement 1, requesting amendment to Appendix A of Operating Licensing No. DPR-72.

FLORIDA POWER CORPORATION



G.R. Westafer
Manager
Nuclear Operations Licensing and Fuel
Management

SWORN TO AND SUBSCRIBED BEFORE ME THIS 20th day of March, 1984.



Notary Public

Notary Public, State of Florida at Large
My Commission Expires: November 19, 1986

(NOTARIAL SEAL)