

**Florida
Power**

CORPORATION
Crystal River Unit 3
Docket No. 50-302

February 13, 1992

3F0292-05

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

Subject: Technical Specification Change Request No. 194
Increase Borated Water Storage Tank Boron Concentration

Reference: FPC to NRC letter dated June 13, 1991

Gentlemen:

Florida Power Corporation (FPC) hereby submits Technical Specification Change Request No. 194 requesting amendment to Appendix A of Operating License No. DPR-72. As part of this request, the proposed replacement pages for Appendix A and associated bases are provided.

This submittal requests approval of an increase in the Borated Water Storage Tank (BWST) boron concentration from the present limit of 2,450 ppm to a new upper limit of 3,000 ppm. The lower concentration limit of 2,270 ppm will remain unchanged. This submittal is predicated upon the use of trisodium phosphate dodecahydrate (TSP-C) which is the basis of the Technical Specification Change Request No. 186 submitted by the reference letter. TSCRN 186 requests replacement of sodium hydroxide (NaOH) with TSP-C as the post-LOCA buffering agent.

FPC requests that this amendment be approved before startup of Crystal River Unit 3 following Refuel C. Refuel B is presently scheduled to be completed in June 1992.

Sincerely,

P. M. Beard, Jr.
Senior Vice President
Nuclear Operations

Attachments
PMB/JWT

xc: Regional Administrator NRR Project Manager Senior Resident Inspector

ADD1

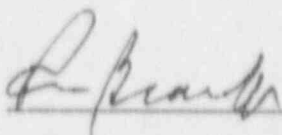
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A Florida Progress Company

STATE OF FLORIDA

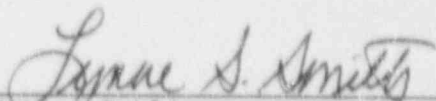
COUNTY OF CITRUS

P. M. Beard, Jr. states that he is the Senior Vice President, Nuclear Operations 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.



P. M. Beard, Jr.,
Senior Vice President
Nuclear Operations

Subscribed and sworn to before me, a Notary Public in and for the State and County above named, this 13th day of February, 1992.



Notary Public

Notary Public, State of Florida at Large,

My Commission Expires: _____

Notary Public, State of Florida at Large
My Commission Expires Dec. 18, 1995
Bonded thru Agent's Notary Brokerage

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF
FLORIDA POWER CORPORATION

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DOCKET NO. 50-302

CERTIFICATE OF SERVICE

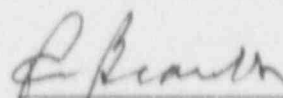
P. M. Beard, Jr. deposes and says that the following has been served on the Designated State Representative and Chief Executive of Citrus County, Florida, by deposit in the United States mail, addressed as follows:

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

A copy of Technical Specification Change Request No. 194 requesting Amendment to Appendix A of Operating License No. DPR-72.

FLORIDA POWER CORPORATION



P. M. Beard, Jr.
Senior Vice President
Nuclear Operations

SHOWN TO AND SUBSCRIBED BEFORE ME THIS 13th DAY OF February 1992


Notary Public

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

SHOLLY EVALUATION OF REQUEST:

The requirements of 10 CFR 50.92 have been reviewed as they relate to the proposed change to the maximum boron concentration limit of the Borated Water Storage Tank (BWST) and does not involve a significant hazards consideration.

In support of this conclusion, the following analysis is provided:

1. The proposed change will not significantly increase the probability or consequences of an accident previously evaluated because the reliability of the BWST is essentially unaffected by the change. The consequences of the accidents remain bounded by the safety analyses.
2. The proposed change will not create the possibility of a new or different kind of accident from any accident previously evaluated because the function of the boron has not changed.
3. The proposed change will not involve a significant reduction in the margin of safety. The boron increase to 3,000 ppm will increase the shutdown margin available post-LOCA and maintain k_{eff} more negative.