

**Florida
Power**
CORPORATION

February 16, 1984
3F0284-09

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

Subject: Crystal River Unit 3
Docket No. 50-302
Operating License No. DPR-72
Technical Specification Change Request No. 65
Decay Heat Technical Specifications

Dear Mr. Denton:

Enclosed are three (3) originals and forty (40) copies of Request No. 65 requesting amendment to Appendix A of Operating License No. DPR-72. As part of this request, the proposed pages are enclosed.

This proposed change includes additional decay heat requirements in the Technical Specifications in response to a letter from Mr. D. G. Eisenhut, dated June 11, 1980. The revised Technical Specifications are consistent with the Standard Technical Specifications, NUREG-0103, Rev. 4, with a few minor site specific related changes.

Because this change is being made at the request of the Commission and is consistent with NRC recommended changes, an Amendment Fee of twelve hundred (\$1,200) dollars is enclosed.

Sincerely,

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

PGH/feb

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PDR ADDCK 05000302
P PDR

Enclosures

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

Rec'd w/check
Check # 621347
A001
9/40
\$1,200

UNITED STATES OF AMERICA
NUCLEAR REGULATORY COMMISSION

IN THE MATTER OF)
) DOCKET No. 50-302
FLORIDA POWER CORPORATION)

CERTIFICATE OF SERVICE

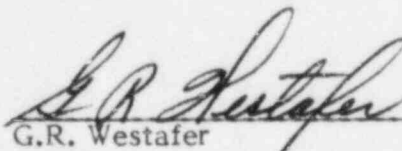
G.R. Westafer deposes and says that the following has been served on the Designated State Representative and the Chief Executive of Citrus County, Florida, by deposit in the United States mail, addressed as follows:

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

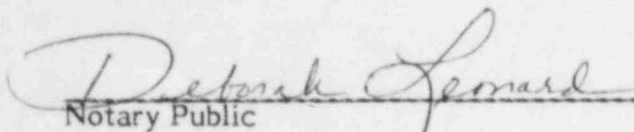
One (1) copy of Technical Specification Change Request No. 65 requesting amendment to Appendix A of Operating License No. DPR-72.

FLORIDA POWER CORPORATION



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

SWORN TO AND SUBSCRIBED BEFORE ME THIS 16th DAY of February 1984.



Notary Public

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

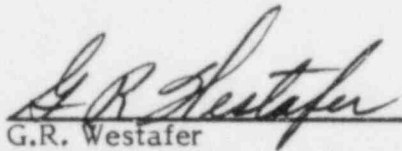
(NOTARIAL SEAL)

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXPIRES NOV 19 1986
BONDED THRU GENERAL INSURANCE UND 4

STATE OF FLORIDA

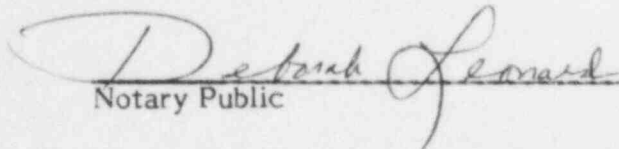
COUNTY OF PINELLAS

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 16th day of February, 1984.



Notary Public

Notary Public, State of Florida at Large,

My Commission Expires:

NOTARY PUBLIC STATE OF FLORIDA
MY COMMISSION EXPIRES NOV 19 1986
BONDED THRU GENERAL INSURANCE UND

FLORIDA POWER CORPORATION
Crystal River Unit 3
Docket No. 50-302/License No. DPR-72
Request No. 65, Revision 0
Decay Heat Removal Reliability

LICENSE DOCUMENT INVOLVED:

Technical Specifications (Appendix A)

PORTIONS:

Index

3/4.4.1 Coolant Loops and Coolant Circulation

Startup and Power Operation

Hot Standby

Hot Shutdown

Cold Shutdown

3/4.9.8 Decay Heat Removal and Coolant Recirculation

All Water Levels

Low Water Levels

Bases

DESCRIPTION OF REQUEST:

The changes proposed herein are in response to a letter from Mr. D. G. Eisenhut dated June 11, 1980 and are intended to assure redundant heat removal paths are available during all modes of operation.

The proposed Specification 3/4.1.2 assures availability of both reactor coolant loops during HOT STANDBY conditions. All reactor coolant pumps can be de-energized for up to one hour provided; (1) no reactivity increases are allowed and (2) a 100°F sub-cooling margin is maintained.

The proposed Specification 3/4.1.3 and 3/4.1.4 assures availability of any two cooling loops (reactor coolant or decay heat) during SHUTDOWN conditions. All reactor coolant and decay heat pumps may be de-energized under the same restrictions as in HOT STANDBY.

The proposed Section 3/4.9.8 assures that adequate cooling is available to maintain the temperature of the water in the vessel within acceptable limits during the Refueling mode. Only one decay heat removal loop is required when the water level is in excess of 23 feet above the fuel since the volume of water acts as a large heat sink thereby providing sufficient time to take compensatory actions if the decay heat train becomes inoperable.

REASON FOR REQUEST:

As noted in Mr. Eisenhut's letter, the NRC has determined that increased administrative controls to provide greater assurance of sufficient decay heat removal capacity are required. These changes are intended to respond to the Staff's concerns in this area.

SAFETY ANALYSIS OF PROPOSED CHANGE

The current requirements of Technical Specifications 3/4.4.1 and 3/4.9.8 assume that in MODES 3, 4, 5, and 6 adequate time exists to place back-up equipment into service when cooling from the operating reactor coolant loop is lost. Operating experience at other plants indicates that taking credit for such actions in a timely fashion may be somewhat inadequate. The proposed specifications provide greater availability of necessary heat sinks in MODES 3, 4, 5 and 6. This change in plant operations enhances the reliability plant systems without creating any unanalyzed conditions and without increasing the probability or consequences of analyzed transients. Thus, no unreviewed safety question results from this change.