



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

50-302

February 4, 1997

Mr. Percy M. Beard, Jr.  
Senior Vice President,  
Nuclear Operations (SA2A)  
Florida Power Corporation  
ATTN: Manager, Nuclear  
Licensing  
15760 W Power Line Street  
Crystal River, Florida 34428-6708

SUBJECT: CRYSTAL RIVER NUCLEAR GENERATING PLANT UNIT 3 - LOW TEMPERATURE  
OVERPRESSURE (LTOP) TRANSIENT - 10 CFR 50 APPENDIX G PRESSURE  
TEMPERATURE LIMITS (TAC NOs. M75304 AND M96662)

Dear Mr. Beard:

In a letter dated August 31, 1995, we denied your request for technical specification (TS) changes relating to low temperature overpressure protection (LTOP) and LTOP setpoints based on a non-10 CFR Part 50, Appendix G methodology. You had proposed this approach on the basis that an LTOP-type event has a low probability of occurrence at your facility; can be classified as an unanticipated operational occurrence; and is consistent with the recommendations in Generic Letter (GL) 88-11 "NRC Position on Radiation Embrittlement of Reactor Vessel Materials and Its Impact on Plant Operations." In our August 31, 1995 letter and safety evaluation, the staff informed you that we do not concur with your basis for the LTOP protection setpoint methodology; and, accordingly, requested your revised response to GL 88-11.

By letter dated September 6, 1996, you informed us that you plan to submit a revised response to GL 88-11 by October 15, 1997. You indicated that this schedule is justified because CR3 is currently operating at approximately 13 effective full power years (EFPY), and the P-T curves are based on 15 EFPY. You also described the administrative controls that are in place until the TS relating to LTOP is finalized and indicated that this would result in resource savings by eliminating the need for an interim license amendment.

We have reviewed your September 6, 1996 letter. The P-T curves for 15 EFPY referenced in your September 6, 1996 letter, are applicable to heatup, cooldown and inservice leak and hydrostatic testing conditions. It is our understanding that LTOP parameters were not established based on these curves. Therefore, your basis (i.e., approved P-T curves are for 15 EFPY and CR3 is operating at approximately 13 EFPY), is not relevant for your proposed schedule LTOP submittal. Further, your proposed reliance on administrative controls for providing LTOP is not acceptable. We believe that LTOP should be controlled by TS. Accordingly, the staff does not concur with your proposed schedule for LTOP submittal. Please submit your proposed LTOP TS within 60 days of receipt of this letter.

1/0  
DF01

9702060332 970204  
PDR ADOCK 05000302  
P PDR

Mr. Percy M. Beard, Jr.  
Florida Power Corporation

**CRYSTAL RIVER UNIT NO. 3  
GENERATING PLANT**

cc:

Mr. R. Alexander Glenn  
Corporate Counsel  
Florida Power Corporation  
MAC-A5A  
P.O. Box 14042  
St. Petersburg, Florida 33733-4042

Mr. Bruce J. Hickie, Director  
Nuclear Plant Operations (NA2C)  
Florida Power Corporation  
Crystal River Energy Complex  
15760 W. Power Line Street  
Crystal River, Florida 34428-6708

Mr. Robert B. Borsum  
B&W Nuclear Technologies  
1700 Rockville Pike, Suite 525  
Rockville, Maryland 20852

Mr. Bill Passetti  
Office of Radiation Control  
Department of Health and  
Rehabilitative Services  
1317 Winewood Blvd.  
Tallahassee, Florida 32399-0700

Attorney General  
Department of Legal Affairs  
The Capitol  
Tallahassee, Florida 32304

Mr. Joe Myers, Director  
Division of Emergency Preparedness  
Department of Community Affairs  
2740 Centerview Drive  
Tallahassee, Florida 32399-2100

Chairman  
Board of County Commissioners  
Citrus County  
110 North Apopka Avenue  
Iverness, Florida 34450-4245

Mr. Larry C. Kelley, Director  
Nuclear Operations Site Support  
(SA2A)  
Florida Power Corporation  
Crystal River Energy Complex  
15760 W. Power Line Street  
Crystal River, Florida 34428-6708

Senior Resident Inspector  
Crystal River Unit 3  
U.S. Nuclear Regulatory Commission  
6745 N. Tallahassee Road  
Crystal River, Florida 34428

Mr. Gary Boldt  
Vice President - Nuclear Production  
Florida Power Corporation  
Crystal River Energy Complex  
15760 W. Power Line Street  
Crystal River, Florida 34428-6708

Regional Administrator, Region II  
U.S. Nuclear Regulatory Commission  
101 Marietta Street N.W., Suite 2900  
Atlanta, Georgia 30323

Mr. Kerry Landis  
U.S. Nuclear Regulatory Commission  
101 Marietta Street, N.W. Suite 2900  
Atlanta, Georgia 30323-0199

If you have any questions regarding this matter, please call me at (301) 415-1471.

Sincerely,



L. Raghavan, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-302

Distribution

Docket File

Public

CR3 Reading

S. Varga

J. Zwolinski

OGC

J. Lyons

L. Lois

C. Liang

J. Strosnider

M. Shuaibai

G. Tracy

J. Jaudon, Region II

K. Landis, RegionII

DOCUMENT NAME: G:\CRYSTAL\96662.1tr

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure

"E" = Copy with attachment/enclosure "N" = No copy

\* See Previous

OFFICE	PDII-3/PM	PDII-3/LA	PDII-3/D	OGC	SRxB
NAME	LRaghavan <i>LV</i>	BClayton *	FHebdon <i>H</i>	<del>OGC</del>	1/7/97
DATE	2/4/97	2/10/96	2/4/97	<del>OGC</del>	*

OFFICIAL RECORD COPY

If you have any questions regarding this matter, please call me at (301) 415-1471.

Sincerely,



L. Raghavan, Project Manager  
Project Directorate II-3  
Division of Reactor Projects - I/II  
Office of Nuclear Reactor Regulation

Docket No. 50-302

Distribution

Docket File

Public

CR3 Reading

S. Varga

J. Zwolinski

OGC

J. Lyons

L. Lois

C. Liang

J. Strosnider

M. Shuaibai

G. Tracy

J. Jaudon, Region II

K. Landis, RegionII

DOCUMENT NAME: G:\CRYSTAL\96662.1tr

To receive a copy of this document, indicate in the box: "C" = Copy without attachment/enclosure

"E" = Copy with attachment/enclosure "N" = No copy

\* See Previous

OFFICE	PDII-3/PM	PDII-3/LA	PDII-3/D	C	OGC	SRxB
NAME	LRaghavan <i>LN</i>	BClayton *	FHebdon <i>H</i>			1/9/97
DATE	2/4/97	2/10/96	2/4/97			*

OFFICIAL RECORD COPY