

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

January 29, 1997

SUBJECT: CRYSTAL RIVER NUCLEAR GENERATING PLANT UNIT 3 - SAFETY EVALUATION OF
MECATISS FIRE BARRIER TEST PROGRAM (TAC NO. M91772)

Dear Mr. Beard:

By letters dated October 31, 1994, March 6, July 6, 1995, and March 30, and October 22, 1996, you submitted information regarding your Mecatiss fire barrier program. This material, Mecatiss, is part of your corrective action plan for the concerns associated with Thermo-Lag fire barriers as described in Generic Letter (GL) 92-08, "Thermo-Lag 330-1 Fire Barriers." You conducted fire tests of the Mecatiss fire barrier system at the Underwriters Laboratory (UL) test facility in Northbrook, Illinois, to demonstrate meeting the guidance specified in Supplement 1 to GL 86-10, "Fire Endurance Test Acceptance Criteria for Fire Barrier Systems Used to Separate Redundant Safe Shutdown Trains Within the Same Fire Area."

We have completed our review of your fire barrier test program. On the basis of our review of your submittals, including the fire endurance test reports prepared by UL, we have concluded that the Mecatiss fire barrier system, when designed and installed in accordance with the techniques utilized for the test specimens, meets the acceptance criteria specified in Supplement 1 to GL 86-10, and is, therefore, acceptable for fire barrier systems relied upon by the licensee to meet NRC fire protection requirements. The attached Safety Evaluation documents our conclusion.

The results of the staff review of your ampacity testing for the Mecatiss fire barrier system will be addressed by a separate safety evaluation.

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

Docket No. 50-302

Enclosure: As stated

cc w/enclosure: See next page

NRC FILE CENTER COPY

DOCUMENT NAME: G:\CRYSTAL\91772.SER

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

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

OFFICE	PDII-3/PM	PDII-3/LA	PDII-3/D				
NAME	LRaghavan <i>LR</i>	BClayton <i>BC</i>	FHebdon <i>FH</i>				
DATE	01/29/97	01/29/97	01/29/97				

OFFICIAL RECORD COPY

9701310024 970129
PDR ADOCK 05000302
P PDR

CRYSTAL RIVER NUCLEAR GENERATING PLANT UNIT 3 - SAFETY EVALUATION OF MECATISS
FIRE BARRIER TEST PROGRAM (TAC NO. M91772)

Distribution

Docket File
Public
CR3-Reading
SVarga
JZwolinski
OGC
ACRS
THarris (E-Mail/SE)
LMarsh
SWest
RJenkins
PMadden
EConnell
LTran
PFredrickson, RII
WHMiller, RII

DF011

310006

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