

# Florida Power

CORPORATION

Crystal River Unit 3  
Docket No. 50-302

October 2, 1992  
3F1092-04

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

Subject: Bulletin 92-01, Supplement 1: Failure of Thermo-lag 330 Fire Barrier System to Perform Its Specified Fire Endurance Function

References A. NRC to FPC Bulletin 92-01 dated June 24, 1992  
B. FPC to NRC letter dated July 29, 1992  
C. NRC to FPC Bulletin 92-01, Supplement 1 dated August 28, 1992

Dear Sir:

Florida Power Corporation (FPC) hereby submits the information requested in NRC Bulletin 92-01, Supplement 1, "Failure of Thermo-lag 330 Fire Barrier System to Perform Its Specified Fire Endurance Function." The information provided includes confirmation of fire area reviews for installed Thermo-lag (TSI) barrier material, a compensatory measures update, and actions planned to address the degraded fire barriers.

## Identification of Plant Areas Containing TSI Material

Areas within Crystal River Unit 3 that contain TSI material, and those areas that use this material for protection and separation of safe shutdown capability have been identified. This includes TSI material used on conduits, cable trays, enclosures, junction boxes, and supports. Thermo-lag 330 is not used as fire barrier material on walls or ceilings at Crystal River Unit 3. During the follow-up review for this supplement, two additional conduits which use TSI as a fire barrier were found that were not identified in the original response to Bulletin 92-01. This information has been summarized and is available for on-site review by the NRC.

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## Compensatory Measures Update

All areas that use Thermo-lag 330 on cable trays, conduits, enclosures, junction boxes, and supports as fire barrier material for protection and separation of safe shutdown functions are surveilled by one hour roving fire watches. Each of these areas has fire detection capability. This type of compensatory measure is consistent with CR-3's Technical Specifications and was established to support the recommended actions of Bulletin 92-01 and Bulletin 92-01, Supplement 1. FPC still considers that the TSI retains significant value as a fire barrier material and continues to track breaches and replace or repair damaged barriers in accordance with plant procedures.

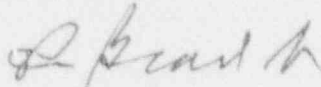
## Measures Planned to Address Degraded Fire Barriers

Restoration of the degraded TSI fire barrier material is being evaluated. Appropriate actions to address restoration of the fire barrier material is being coordinated by NUMARC. Florida Power Corporation is continuing to monitor these generic industry activities and will continue to participate in the developmental process. We understand the NUMARC activities will include evaluation of test results, review of test acceptance criteria, evaluation of future TSI configuration testing, and development of an industry program plan. We will support efforts to resolve the TSI fire barrier issue in a timely manner, and will apply the results of these efforts, when completed, to the TSI installations within the scope of Bulletin 92-01 and Supplement 1, as appropriate.

## Summary

Areas within Crystal River Unit 3 that contain TSI material, and those areas that use this material for protection and separation of safe shutdown capability have been identified. Compensatory measures consistent with CR-3's Technical Specifications have been established to support the recommended actions of Bulletin 92-01 and Supplement 1, and these measures will remain in effect until the TSI fire barrier issues are resolved. Florida Power Corporation will continue to evaluate the long term actions necessary to restore the degraded TSI fire barriers in question, and will provide additional information in support of these actions as appropriate.

Sincerely,



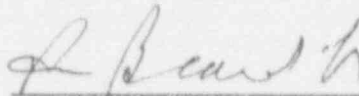
P. M. Beard, Jr.  
Senior Vice President  
Nuclear Operations

PMB:REF

xc: Regional Administrator, Region II  
NRR Project Manager  
Senior Resident Inspector

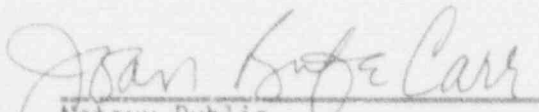
STATE OF FLORIDA  
COUNTY OF CITRUS

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 2nd day of October, 1992.

  
Notary Public  
JOAN BUFE CARR

Notary Public, State of Florida at Large  
My Commission Expires: 6/21/95

NOTARY PUBLIC, STATE OF FLORIDA  
MY COMMISSION EXPIRES: June 21, 1995  
BONDED THRU NOTARY PUBLIC UNDERWRITERS