

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9210080260 DOC.DATE: 92/09/28 NOTARIZED: YES DOCKET #  
 FACIL:50-250 Turkey Point Plant, Unit 3, Florida Power and Light C 05000250  
 50-251 Turkey Point Plant, Unit 4, Florida Power and Light C 05000251  
 AUTH.NAME AUTHOR AFFILIATION  
 PLUNKETT,T.F. Florida Power & Light Co.  
 RECIP.NAME RECIPIENT AFFILIATION  
 Document Control Branch (Document Control Desk)

SUBJECT: Responds to NRC Bulletin 92-001, suppl 1 "Failure of Thermo-Lag 330 Fire Barrier Sys to Perform Specified Fire Endurance Function." All plant locations that have Thermo-Lag 330 barrier installations have been identified.

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NOTES:NRR RAGHAVAN,L 05000250  
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SEP 28 1992

L-92-266  
10 CFR 50.54

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

Gentlemen:

Re: Turkey Point Units 3 and 4  
Docket Nos. 50-250 and 50-251  
NRC Bulletin 92-01, Supplement 1  
Failure of Thermo-Lag 330 Fire Barrier System  
to perform its specified Fire Endurance Function

NRC Bulletin 92-01, Supplement 1, issued August 28, 1992, requested that licensees take appropriate compensatory measures and corrective actions for conduits and cable trays where the use of preformed Thermo-Lag 330 fire barriers may make the operability of the contained cables indeterminate. In accordance with the bulletin, Florida Power and Light Company provides the attached response for Turkey Point Units 3 and 4.

Should there be any questions regarding this information, please contact us.

Very truly yours,

T. F. Plunkett  
Vice President  
Turkey Point Nuclear

TFP/RJT/rt

Attachment

cc: S. D. Ebner, Regional Administrator, Region II, USNRC  
R. C. Butcher, Senior Resident Inspector, USNRC, Turkey Point Plant

9210080260 920928  
PDR ADOCK 05000250  
G PDR



STATE OF FLORIDA       )  
                              ) ss.  
COUNTY OF DADE       )

T. F. Plunkett being first duly sworn, deposes and says:

That he is Vice President, Turkey Point Nuclear Plant, of Florida Power and Light Company, the Licensee herein;

That he has executed the foregoing document; that the statements made in this document are true and correct to the best of his knowledge, information and belief, and that he is authorized to execute the document on behalf of said Licensee.



T. F. Plunkett

Subscribed and sworn to before me this

28 day of Sept, 1992.



CHERYL A. KELLY

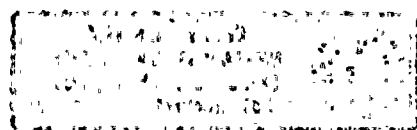
Name of Notary Public (Type or Print)

NOTARY PUBLIC, in and for the County of  
Dade, State of Florida

My Commission expires  
Commission No. \_\_\_\_\_



T. F. Plunkett is personally known to me.



**ATTACHMENT**

**FLORIDA POWER AND LIGHT COMPANY**

**TURKEY POINT UNITS 3 AND 4**

**NRC BULLETIN 92-01, Supplement 1**

**Failure of Thermo-Lag 330 Fire Barrier System to perform its specified Fire Endurance Function**

Florida Power and Light Company provides the following information relative to Turkey Point Units 3 and 4 in response to NRC Bulletin 92-01, Supplement 1:

**Requested Action 1**

For those plants that use either 1- or 3-hour pre-formed Thermo-Lag 330 panels and conduit shapes, identify the areas of the plant which have Thermo-Lag 330 fire barrier material installed and determine the plant areas which use this material for the protection and separation of the safe shutdown capability.

**FPL Response**

All Turkey Point plant locations which have Thermo-Lag 330 fire barrier installations have been identified.

**Requested Action 2**

In those plant areas in which Thermo-Lag fire barriers are used in raceways, walls, ceilings, equipment enclosures, or other areas to protect cable trays, conduits, or separate redundant safe shutdown functions, the licensee should implement, in accordance with plant procedures, the appropriate compensatory measures, such as fire watches, consistent with those that would be implemented by either the plant technical specifications or the operating license for an inoperable fire barrier. These compensatory measures should remain in place until the licensee can declare the fire barriers operable on the basis of applicable tests which demonstrate successful 1- or 3-hour barrier performance.

**FPL Response**

When the subject NRC Bulletin Supplement was received, Turkey Point plant was recovering from hurricane Andrew. While reestablishing fire protection features (which included the scope of the NRC Bulletin Supplement), compensatory measures were instituted in the form of additional cameras and expanded areas for the roving fire watches to include all applicable locations containing Thermo-Lag 330-1 fire barriers. Compensatory measures in some area consists of a closed circuit television (CCTV) system. The CCTV system is comprised of 40 cameras and 10 monitors. Each monitor cycles through 4 camera displays approximately every 80 seconds (approximately 20 seconds per camera). A camera, cable, or monitor failure can be detected from the

monitor location. The monitor station is manned by a continuous watch. This television system serves as a continuous fire watch and thus (in conjunction with an hourly roving fire watch) is considered to provide the appropriate compensatory measures. The specific camera configurations are subject to change based on the experience gained during the use of the system. In addition, the overall system of compensatory measures is subject to change based on further FPL evaluation of test results and industry information.

In accordance with Generic Letter 86-10, the radiant energy shields located in both Units 3 and 4 Containment are not considered rated 1- or 3-hour fire barriers and as such are not considered in this response.

### Requested Action 3

Each licensee who has installed Thermo-Lag 330 fire barriers must inform the NRC in writing within 30 days of receiving this bulletin supplement, whether or not it has taken the above actions. Where the fire barriers are declared inoperable, the licensee is required to describe the measures being taken to ensure or restore fire barrier operability. These measures should be consistent with actions in response to Bulletin 92-01.

### FPL Response

FPL Turkey Point plant does have Thermo-Lag 330 fire barriers installed in its facility as discussed in the response to Requested Action 1 above. Compensatory measures have been implemented as discussed in the response to Requested Action 2 above. The continuing measures being taken to ensure or restore fire barrier operability include:

- o participation in NUMARC coordinated industry program development,
- o assimilation of applicable industry information on the subject,
- o close observation and follow-up of additional industry testing,
- o engineering evaluation of location specific fire response characteristics,
- o upgrade of Thermo-Lag installation specifications (as determined by the items above), and
- o modifications to Thermo-Lag enclosures (as determined by the items above).



