CATEGORY 1

REGULATO● INFORMATION DISTRIBUTION ●STEM (RIDS)

ACCESSION NBR:9612260320 DOC.DATE: 96/12/19 NOTARIZED: NO DOCKET #
FACIL:50-335 St. Lucie Plant, Unit 1, Florida Power & Light Co. 05000335
50-389 St. Lucie Plant, Unit 2, Florida Power & Light Co. 05000389
AUTH.NAME AUTHOR AFFILIATION
STALL,J.A. Florida Power & Light Co.
RECIP.NAME RECIPIENT AFFILIATION
Document Control Branch (Document Control Desk)

See Report

SUBJECT: Forwards supplmental response to GL 92-08, "Thermo-Lag 330-1 Fire Barriers," for plant,Units 1 & 2.

DISTRIBUTION CODE: A029D COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 2+116
TITLE: Generic Letter 92-008 Thermo-Lag 330 Fire Barrier

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR	COPIES ENCL
	PD2-3 LA	1	0	PD2-3 PD	1	1
	WIENS,L.	1	1			
INTERNAL:	FILE CENTER 01	1	1	NRR/DE/EELB	1	1
	NRR/DRPW/PD3-1	1	1	NRR/DSSA/SPLB	1	1
	RGN2 FILE	1	1			
EXTERNAL:	NOAC	1	1	NRC PDR	1	1

NOTE TO ALL "RIDS" RECIPIENTS:
PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK, ROOM OWFN 5D-5(EXT. 415-2083) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTTR 10 ENCL 9

CATEGORY 1 DOCUMENT

Florida Power & Light Company, P.O. Box 128, Fort Pierce, FL 34954-0128

FPL

DEC 19 1996

L-96-335
10 CFR 50.4
10 CFR 50. 54 (f)

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

RE: St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
Request for Additional Information
Generic Letter 92-08 - Supplemental Response

The Florida Power and Light Company (FPL) supplemental response to Generic Letter 92-08 "Thermo-Lag 330-1 Fire Barriers" for St. Lucie Units 1 and 2 is attached. This submittal provides the information requested by NRC letter dated November 6, 1996.

Based on the Staff's review of FPL letters, L-96-28 dated February 12, 1996, and L-96-211 dated August 27, 1996, the NRC determined that a review of several referenced calculations was necessary. In addition, since FPL has compared the Thermo-Lag configurations installed at St. Lucie with the Texas Utilities Electric Company (TUEC) tested configurations for the Comanche Peak Steam Electric Station (CPSES), NRC requested FPL to assess any differences between the fire barrier construction at St. Lucie Plant and the fire barrier construction at CPSES.

This letter does not contain any new regulatory commitments. Please contact us if there are any additional questions.

Very truly yours,

J. A. Stall
Vice President
St. Lucie Plant

JAS/GRM

Attachments

A029 1/1

cc: Regional Administrator, Region II, USNRC
Senior Resident Inspector, USNRC, St. Lucie Plant

St. Lucie Units 1 and 2
Docket Nos. 50-335 and 50-389
L-96-335 Attachment

NRC Request 1:

The staff, through its examinations of other licensee submittals in this area, have found several errors or points of concern pertaining to heat transfer assumptions and modeling with respect to ampacity derating calculations. Therefore, the staff requests that the following licensee ampacity derating calculations be provided for our review:

a. FPL Calculation PSL-OFJE-96-001, "Cable Derating in Conduits with Fire Barrier Coatings"

B. FPL Calculation PTN-BFJM-96-005, "Fire Barrier Ampacity Correction Factors - Extrapolation of Test Results for 3-Hour Barrier"

c. FPL Evaluation JPN-PSL-SEES-96-059, "Engineering Evaluation of the Application of Thermo-Lag to Meet Regulatory Guide 1.75 Requirements - St. Lucie Unit 2"

FPL Response:

The requested FPL calculations and evaluations are attached. To protect the personal privacy of the FPL individuals, the names have been removed from the approval record sheets on the attached documents.

NRC Request 2:

The licensee should confirm that all fire barrier construction for applicable configurations are representative of the barrier construction used in the Comanche Peak Steam Electric Station(CPSES) Unit 2 ampacity derating tests (i.e., TUEC tests). If there are deviations or differences between St. Lucie installed Thermo-Lag configurations and the CPSES-tested configurations, the licensee should provide an assessment of the impact on the CPSES test results that are being credited by the licensee.

FPL Response:

The requested fire barrier comparison is provided in FPL calculations PTN-BFJM-96-005, "Fire Barrier Ampacity Correction Factors - Extrapolation of Test Results for 3-Hour Barrier," and PSL-OFJE-96-001, "Cable Derating in Conduits with Fire Barrier Coatings."