

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9210060389      DOC. DATE: 92/09/28      NOTARIZED: NO      DOCKET #

FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv      05000387

50-388 Susquehanna Steam Electric Station, Unit 2, Pennsylv      05000388

AUTH. NAME      AUTHOR AFFILIATION

KEISER, H.W.      Pennsylvania 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." Areas w/Thermo-Lag fire barrier matl identified. Thermo-Lag fire barriers inoperable.

DISTRIBUTION CODE: IE49D      COPIES RECEIVED: LTR 1 ENCL 0 SIZE: 2

TITLE: NRC Bulletin 92-001, Failure of Thermal-Log 330 Fire Barrier Sys to M

NOTES: Maxwell, G      05000387/

Maxwell, G      05000388

	RECIPIENT		COPIES				
	ID CODE/NAME	LTR	ENCL	LTR		ENCL	
	PD1-2 LA	1	0	PD1-2 PD	1	1	
	RALEIGH, J.	1	1				
INTERNAL:	NRR/DST/SPLB	2	2	NRR/PD3-1	1	1	S
	REG FILE 01	1	1	RES/EMEB	1	1	
	RGNI ....FILE	1	1				
EXTERNAL:	NRC PDR	1	1	NSIC	1	1	
NOTES:		1	1				

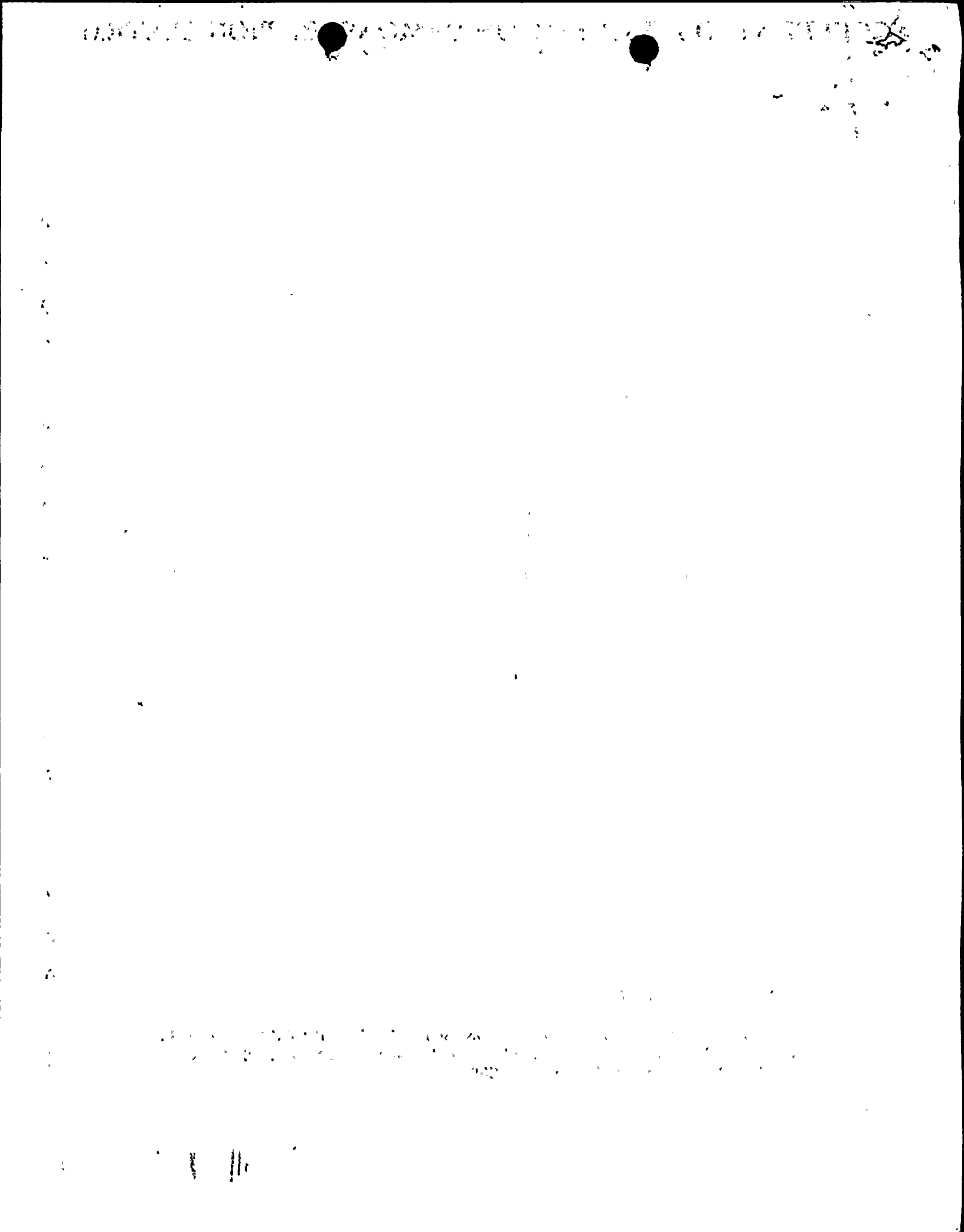
NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE! CONTACT THE DOCUMENT CONTROL DESK. ROOM P1-37 (EXT. 504-2065) TO ELIMINATE YOUR NAME FROM DISTRIBUTION LISTS FOR DOCUMENTS YOU DON'T NEED!

TOTAL NUMBER OF COPIES REQUIRED: LTR 12 ENCL 110

*AO1*

R  
I  
D  
S  
/  
A  
D  
D  
S





**Pennsylvania Power & Light Company**

Two North Ninth Street • Allentown, PA 18101-1179 • 215/774-5151

Harold W. Keiser  
Senior Vice President-Nuclear  
215/774-4194

SEP 28 1992

NRC Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

**SUSQUEHANNA STEAM ELECTRIC STATION**  
**RESPONSE TO NRC BULLETIN 92-01, SUPPLEMENT 1**  
**PLA-3856** **FILE R41-1A**

Docket Nos. 50-387  
and 50-388

This letter responds to NRC Bulletin 92-01, Supplement 1, "Failure of Thermo-Lag 330 Fire Barrier System to Perform Its Specified Fire Endurance Function." The following actions have been taken:

**NRC REQUESTED ACTION #1**

For those 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.

**PP&L ACTION**

Areas of the plant in which Thermo-Lag fire barrier material is installed to protect safe shutdown capability have been identified.

**NRC 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

9210060387 920928  
PDR ADCK 05000387  
Q.V. PDR

LEA9  
1/0



Handwritten scribbles and marks in the top right corner.

Faint, illegible text or markings in the middle of the page, possibly bleed-through from the reverse side.

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.

**PP&L ACTION**

All Thermo-Lag fire barriers used to protect safe shutdown capability at Susquehanna SES have been declared inoperable. Required technical specification actions have been implemented. A report pursuant to 10CFR50.72 has been made to the NRC.

**MEASURES BEING TAKEN TO ENSURE OR RESTORE FIRE BARRIER OPERABILITY**

PP&L recognizes the need to promptly resolve the questions regarding the effectiveness of Thermo-Lag relative to its use as a fire barrier to protect safe shutdown capability at Susquehanna SES. In response, we are participating in an effort directed by NUMARC to resolve this issue. NUMARC, in conjunction with EPRI, will coordinate performance of an industry test program to address issues relative to performance of Thermo-Lag fire barriers. The testing will include fire endurance testing for common industry configurations as well as ampacity testing of selected configurations. As such, PP&L's commitment provided in the response to Bulletin 92-01 to do independent testing of Susquehanna SES Thermo-Lag fire barrier configuration in the near term is being placed on hold until the industry and NRC can reach agreement on generic test criteria. In the interim, we will continue to develop our Susquehanna SES specific test plan so that testing of our unique installations can occur upon finalization of the test criteria. We will continue to keep the Susquehanna SES Project Manager and Senior Resident Inspector informed as to our progress in this area. Compensatory actions currently in place will remain in effect until barriers can be demonstrated operable.

Should you have any question, please call Mr. W.W. Williams at (215) 774-5610.

Very truly yours,



H. W. Keiser

Enclosure

cc: NRC Region I  
Mr. J. J. Raleigh, NRC Project Manager (OWFN)  
Mr. G. S. Barber, NRC Sr. Resident Inspector (SSES)



THE UNIVERSITY OF CHICAGO

PHYSICS DEPARTMENT