



Nebraska Public Power District

GENERAL OFFICE
P.O. BOX 499, COLUMBUS, NEBRASKA 68602-0499
TELEPHONE (402) 564-8561
FAX (402) 563-5551

CNSS923062

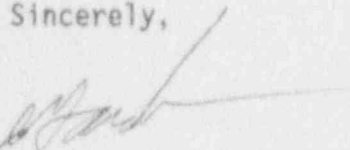
July 24, 1992

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

Dear Sir:

Cooper Nuclear Station Licensee Event Report 92-011, Revision 0, is being forwarded as an attachment to this letter.

Sincerely,



R. L. Gardner
Plant Manager

RLG/ju

Attachment

cc: R. D. Martin
G. R. Horn
J. M. Meacham
R. E. Wilbur
V. L. Wolstenholm
D. A. Whitman
INPO Records Center
NRC Resident Inspector
R. J. Singer
CNS Training
CNS Quality Assurance

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LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Cooper Nuclear Station										DOCKET NUMBER (2) 0 5 0 0 0 2 9 8 1 OF 0 3										PAGE (3) 1	
TITLE (4) Inoperability Of Thermo-Lag Fire Barriers Based Upon The Results Of Testing Reported In NRC Bulletin 92-01																					
EVENT DATE (5)				LER NUMBER (6)				REPORT DATE (7)				OTHER FACILITIES INVOLVED (8)									
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES					DOCKET NUMBER(S)							
0	6	2	5	9	2	2	0	1	0	0	0	7	2	4	9	2	0	5	0	0	0
OPER. FIND MODE (9) N				THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)																	
POWER LEVEL (10) 11010				20.402(b)				20.405(a)				50.73(a)(2)(i)				73.71(b)					
				20.405(a)(1)(i)				50.90(a)(1)				50.73(a)(2)(i)				73.71(a)					
				20.405(a)(1)(ii)				50.90(a)(2)				50.73(a)(2)(ii)				OTHER (Specify in Abstract Below and in Text, NRC Form 366A)					
				20.405(a)(1)(iii)				50.73(a)(2)(ii)				50.73(a)(2)(iii)(A)									
				20.405(a)(1)(iv)				50.73(a)(2)(iv)				50.73(a)(2)(iii)(B)									
				20.405(a)(1)(v)				50.73(a)(2)(v)				50.73(a)(2)(iv)									
LICENSEE CONTACT FOR THIS LER (17)																					
NAME Donald L. Reeves, Jr.												TELEPHONE NUMBER 4 0 2 8 2 5 - 3 8 1 1									
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC												
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
YES (If yes, complete EXPECTED SUBMISSION DATE:)										NO											

ABSTRACT should be 1400 words (i.e. approximately fifteen single space typewritten lines) (16)

Following receipt of NRC Bulletin No. 92-01, the Thermo-Lag installations at CNS and their licensing bases were reviewed. Two (2) installations were identified where Thermo-Lag 350 Fire Barrier material is used to provide one hour protection for conduits and conduit banks containing cables that provide safe shutdown capability. In accordance with station procedures, an operability determination was performed. Based upon the fact that the barriers could not be fully qualified, they were declared inoperable. When this condition was discovered, the plant was in operation at full power.

Actions to restore fire barrier operability are being developed through an industry program being coordinated by NUMARC. The results of these efforts will be evaluated upon their completion and appropriate corrective actions will be applied to the subject Thermo-Lag installations.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20545, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Cooper Nuclear Station	DOCKET NUMBER (2) 0 5 0 0 0 2 9 8 9 2 -- 0 1 1 -- 0 0 0 2 OF 0 3	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

TEXT (If more space is required, use additional NRC Form 356A's) (17)

A. Event Description

Upon receipt of NRC Bulletin No. 92-01, "Failure of Thermo-Lag 330 Fire Barrier System to Maintain Cabling in Wide Cable Trays and Small Conduits Free from Fire Danger", the subject installations and their licensing bases were reviewed. As a result of this effort, two (2) installations were identified where Thermo-Lag 330 Fire Barrier material is used to provide one hour protection for conduits and conduit banks containing cables that provide safe shutdown capability. These installations are in the Control Building at 882' elevation and are as follows:

- 1) One two inch conduit containing 125 VDC power cabling to Diesel Generator (DG) No. 2. This DG is used for post-fire safe shutdown outside of the Control Room.
- 2) One wall enclosure protecting several conduits which contain 4160 VAC power cabling to Service Water Pumps B&D

In accordance with station procedures, an operability determination was performed. Based upon the fact that the barriers could not be fully qualified, they were declared inoperable. In accordance with Technical Specification requirements, a continuous firewatch was posted.

B. Plant Status

In normal operation at full power.

C. Basis for Report

Non-compliance with the design basis prescribed by 10CFR50.48 and 10CFR50, Appendix R, Section III.G., reportable in accordance with 10CFR50.73 (a)(2)(ii).

D. Cause

Design. As specified in NRC Bulletin No. 92-01, fire endurance testing of Thermo-Lag fire barrier material installed in various configurations was performed. Due to the test results, NRC determined that qualification of the 1 and 3 hour pre-formed assemblies installed on small conduit and wide cable trays is indeterminate. Therefore, the pre-formed assemblies may not provide the level of fire protection specified in NRC requirements.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

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Cooper Nuclear Station

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TEXT (If more space is required, use additional NRC Form 365A's) (17)

E. Safety Significance

In the event of a fire in the area where the identified Thermo-Lag fire barrier installations exist, the possibility of damage to the protected circuits is increased. Therefore, fulfillment of the associated safety function is not assured.

F. Safety Implications

The plant response to a fire in the area where the Thermo-Lag fire barrier material is installed would be most significant with the plant in operation at full power, as it was when this condition was discovered.

G. Corrective Action

Actions to restore fire barrier operability are being developed through an industry program being coordinated by NUMARC. This program will include establishment of a test database, development of guidance for applicability of tests, development of generic installation guidance, and consideration and coordination of additional testing as appropriate. The results of these efforts will be evaluated upon their completion and appropriate corrective actions will be applied to the subject Thermo-Lag installations.

H. Similar Events

None.