

## LICENSEE EVENT REPORT

CONTROL BLOCK: | | | | | | | (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	N	E	F	C	S	1	(2)	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	(3)	4	1	1	1	1	(4)			(5)		
7	8	LICENSEE CODE						14	LICENSE NUMBER														25	LICENSE TYPE					30	CAT		58			

CON'T

REPORT SOURCE: 01 L 6 0 5 0 0 0 2 8 5 7 1 0 0 2 7 8 8 1 0 3 1 7 8 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 During the performance of Surveillance Test ST-ESF-5, Section F.1 the monthly AC

sequencer timer test, timers SI-1B and CH-1B on sequencer S2-2 failed to time out

6 4 within the prescribed limit. The timers were exercised and tested within specified

0	5	limits.
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0	6	
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0	7	
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0 1 8

7 8 9

SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE

0 9 S H 11 E 12 B 13 R E L A Y X 14 M 15 X 16

9 10 11 12 13 14 15 16 17 18 19 20

(17) LER RO REPORT NUMBER 7 8 — 0 3 2 / 0 3 L — 0

ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER			
X			C	Z		Z		0	0	0	0	Y		N		A		E	0	2	0
33	18	34	19	35	20	36	21	37			40	41	22	42	24	43	25	44			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The failure of the relay to time out within prescribed limit was due to a sticky

operating mechanism. The timers were exercised to free the mechanism. Timer exercise

frequency was increased to insure operability until the timers can be changed out

13 during the 1978 refueling outage which began October 15, 1978.

14

7 8 9  
FACILITY STATUS (28) 1 5 G  
% POWER (29) 0 9 9  
OTHER STATUS (30) NA  
METHOD OF DISCOVERY (31) B  
DISCOVERY DESCRIPTION (32) Surveillance Test

ACTIVITY CONTENT  
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)

1 6 2 33 2 34 NA NA

PERSONNEL EXPOSURES		TYPE		DESCRIPTION
NUMBER				
1	7	0	0	0
		(37)	Z	(38) NA

7		8		9		11		12		13	
PERSONNEL INJURIES											
NUMBER						DESCRIPTION (41)					
1	8	0	0	0	40	NA					

7		8	9	11		12
		LOSS OF OR DAMAGE TO FACILITY				
		TYPE DESCRIPTION				
1	9	Z	42	NA		

7 8 9 10  
PUBLICATION  
ISSUED DESCRIPTION (45) 781 030204  
2 0 N (44) NA  
7 8 9 10 68 69 80  
NRC USE ONLY

NAME OF PREPARER

R. Mehaffey/G. Peterson

PHONE: 402-426-4011

LER 78-032  
Omaha Public Power District  
Fort Calhoun Station Unit No. 1  
Docket No. 05000285

Attachment No. 1

Safety Analysis

The Fort Calhoun Station Unit No. 1 Engineered Safety Features is so designed that no single failure can prevent the safe shutdown of the plant if required.

The Bliss Eagle timers in question are the derived signal AC sequencer timers for B engineered safety channel. These timers are backup timers to sequencer timer S2-1 (DC powered Agastat) and are set to time out approximately one second after the prime (S1-2) signal sequencers time out. The timers are actuated by A engineered safety channel.

During the period in which the timers in question failed, the prime signal timers were operable. There have been no failures of the prime signal sequencer timers.

Both timers SI-2B and CH-1B will be replaced during the 1978 refueling outage (which began October 15, 1978).

*McAndrews*

LER 78-032  
Omaha Public Power District  
Fort Calhoun Station Unit No. 1  
Docket No. 05000285

Attachment No. 2

Failure Data

Previous failures were reported under Abnormal Occurrence 75-1  
Abnormal Occurrence 75-13  
Abnormal Occurrence 75-16  
LER 76-21  
LER 77-9  
LER 77-18  
LER 77-25  
LER 78-016  
LER 78-027

