NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1	LICENSEE CODE: N E F C S 1 (2)	LICENSE NUMBER: 0 0 0 0 0 0 0 0 0 0 0 (3)	LICENSE TYPE: 4 1 1 1 1 (4)	CAT (5)			
CON'T 0 1	REPORT SOURCE: L (6)	DOCKET NUMBER: 0 5 0 0 0 2 8 5 (7)	EVENT DATE: 0 3 3 0 8 2 (8)	REPORT DATE: 0 4 0 6 8 2 (9)			

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During performance of ST-FW-1, F.2 (b)(6) per Technical Specification 3.9, an attempt
0 3 was made to start FW-10 (steam driven auxiliary feedwater pump). The steam valves
0 4 opened but the pump did not start. The electric motor driven auxiliary feedwater
0 5 pump was operable at the time of occurrence to mitigate any loss of feedwater accident
0 6 that could have occurred.
0 7
0 8

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	C H (11)	X (12)	Z (13)	M E C F U N (14)	Z (15)	Z (16)

(17) LER/RO REPORT NUMBER	EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
	8 2	—	0 0 8	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
X (18)	F (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	N (24)	N (25)	C 4 3 8 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The cause of the nonstart was the back pressure trip lever in the "tripped" position,
1 1 upon reset of the trip lever, a successful start was obtained and was repeated twice
1 2 successfully. EEAR FC-82-46 has been written to evaluate the need for position in-
1 3 dication on the mechanical trip linkages.
1 4

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	E (28)	1 0 0 (29)	NA	B (31)	Operator Observation

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
2 0	N (44)	NA	

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S PDR

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GPO 917-926

LER No. 82-008
Omaha Public Power District
Fort Calhoun Station Unit No. 1
Docket No. 05000285

Attachment No. 1

Safety Analysis

The auxiliary feedwater system at Fort Calhoun Station has been designed to single failure criteria, such that no single failure, by itself, can prevent the system from performing its required safety function. During the period in which FW-10 was found inoperable, FW-6, the motor driven auxiliary feedwater pump, was operable and able to perform its designed safety function; as it was tested for operability per ST-FW-1 just prior to noting FW-10 was inoperable.

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Attachment No. 2

Corrective Action

Initial investigation into the "non-start" showed the back pressure trip reset lever to be in the "tripped" position. The operator performing the surveillance test noted this and corrected it immediately. This action gave a successful start of the pump. The pump was restarted successfully twice to verify operability. Since the problem was corrected and the pump returned to operable status within 24 hours (Technical Specification 2.5), the plant remained at approximately 100% power. The cause of the out of position trip lever could not be determined. To resolve this concern, the District is evaluating on a high priority basis the possibility of installing alarms on the mechanical trip linkages associated with FW-10 to alert the operators if they are out of position.

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Attachment No. 3

Failure Data

This is the third failure involving a non-start of FW-10 at Fort Calhoun Station Unit No. 1. The other failures are referenced per Unusual Event 73-7 and LER 78-030.