

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Fort Calhoun Station Unit No. 1	DOCKET NUMBER (2) 05000285	PAGE (3) 1 OF 02
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TITLE (4)
Failure to Conduct Surveillance Test Within Prescribed Interval

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)
07	04	88	88	01	00	09	08	88	N	050000
07	04	88	88	01	00	09	08	88		050000

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11):				
POWER LEVEL (10) 90	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)	
	<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)	
	<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vi)	OTHER (Specify in Abstract below and in Text NRC Form 355A)	
	<input type="checkbox"/> 20.405(a)(1)(vi)	<input checked="" type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(vii)(A)		
	<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(vii)(B)		
	<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)		

LICENSEE CONTACT FOR THIS LER (12)	
NAME Jens F. W. Friedrichsen, System Engineer Fort Calhoun Station, Unit No. 1	TELEPHONE NUMBER AREA CODE: 402 426 - 4011

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS

SUPPLEMENTAL REPORT EXPECTED (14)	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On August 9, 1988, an incident report was written to investigate the failure to fully perform ST-CEA-1 F.4 on July 4, 1988. This was determined to be a violation of Technical Specifications.

On July 4, 1988, surveillance test ST-CEA-1 F.4 was scheduled to be performed. Reactor power was being maintained at approximately 90 percent with CEA regulating group 4 withdrawn to 118 inches to control the axial neutron flux distribution, (fully withdrawn is 126 inches). The Reactor Engineer determined, per ST-CEA-1 F.4, that regulating group 4 CEA's should not be exercised. The remainder of the regulating and shutdown CEA's were tested satisfactorily.

On July 11, 1988, the regulating group 4 CEA's were exercised satisfactorily using ST-CEA-1 F.4. This exceeded the allowable extension by 3.5 days, violating Technical Specification 3.2.

Corrective actions to preclude recurrence of this event include: 1) ST-CEA-1 will be revised to give specific instructions for performing the surveillance test under conditions when CEA's are partially inserted into the core; 2) A Human Performance Evaluation will be conducted to determine the root cause for failure to perform the surveillance test within the specified interval.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR — 0 1 8	SEQUENTIAL NUMBER — 0 0 0 2	REVISION NUMBER			

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

On August 8, 1988, during an internal quality assurance audit for surveillance test compliance with the Technical Specifications, it was discovered that ST-CEA-1 F.4 was not fully completed on July 4, 1988. On August 9, 1988, an incident report was written to investigate the failure to fully perform ST-CEA-1 F.4 on July 4, 1988. This was determined to be a violation of Technical Specifications. Technical Specification 3.2 Table 3.5 item 2 requires all CEA's to be exercised a minimum of 6 inches every 2 weeks. The completion of the surveillance test on July 11, 1988, exceeded the allowable extension by 3.5 days. Therefore, Technical Specification 3.2 was violated.

On July 4, 1988, surveillance test ST-CEA-1 F.4 was scheduled to be performed. The surveillance test requires all regulating and shutdown control element assemblies (CEA) to be exercised a minimum of six (6) inches every 2 weeks whenever the reactor is critical. The surveillance test is conducted to verify that each CEA is movable and not bound due to excessive friction or mechanical interference. On July 4, reactor power was being maintained at approximately 90 percent with CEA regulating group 4 withdrawn to 118 inches to control the axial neutron flux distribution, (fully withdrawn is 126 inches). ST-CEA-1 F.4 has a note which directs Operations to contact the Reactor Engineer for additional guidance on performance of the test if the CEA's are not in a fully withdrawn condition.

On July 4, the Reactor Engineer determined that the regulating group 4 CEA's should not be exercised since the group was inserted in the core for axial flux distribution control. The remainder of the regulating and shutdown CEA's were tested satisfactorily. On July 11, 1988, the Operations Engineer reviewed the incomplete test performed on July 4, 1988 and recommended that the regulating Group 4 CEA's should be exercised to complete the surveillance test. The regulating Group 4 CEA's were exercised satisfactorily. The completion of the test on July 11, 1988 verified that all the CEA's were capable of performing their design function. The full test was satisfactorily completed again at its next regularly scheduled date of July 18, 1988.

Corrective actions to preclude recurrence of this event include:

1. ST-CEA-1 will be revised to give specific instructions for performing the surveillance test under conditions when CEA's are partially inserted into the core.
2. A Human Performance Evaluation will be conducted to determine the root cause for failure to perform the surveillance test within the specified interval.

Omaha Public Power District
1623 Harney Omaha, Nebraska 68102-2247
402/536-4000

September 8, 1988
LIC-88-765

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, DC 20555


Reference: Docket No. 50-285

Gentlemen:

SUBJECT: Licensee Event Report for the Fort Calhoun Station

Please find attached Licensee Event Report 88-018 dated September 8, 1988.
This report is being submitted per requirements of 10 CFR 50.73.

Sincerely,


K. J. Morris
Division Manager
Nuclear Operations

KJM/me

Attachment

c: R. D. Martin, NRC Regional Administrator
P. D. Milano, NRC Project Manager
P. H. Harrell, NRC Senior Resident Inspector
INPO Records Center
American Nuclear Insurers
J. J. Fluehr
J. F. Friedrichsen
C. J. Sterba
M. W. Butt
PRC Chairman % R. G. Ellis

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