

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Fort Calhoun Station, Unit No. 1 DOCKET NUMBER (2) 0 5 0 0 0 2 8 5 1 OF 1 0 PAGE (3)

TITLE (4) Surveillance Test ST-DC-1 F.1, Not Performed During January 1988

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)
03	15	88	88	006	010	09	29	88	N	0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9) 1

POWER LEVEL (10) 0 7 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(e)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.38(e)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(e)
<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.38(e)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 386A)
<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME Douglas S. Molzer, Shift Technical Advisor TELEPHONE NUMBER 410 12 412 161-4 1011

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS

SUPPLEMENTAL REPORT EXPECTED (14) YES (if yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

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

This supplemental report presents the results of a review of completed surveillance tests to determine if they have been completed in accordance with the Technical Specifications. Revised portions are denoted by a vertical line in the right hand margin.

On March 15, 1988 it was discovered that Surveillance Test ST-DC-1 F.1, "Station Batteries" had not been completed during the month of January 1988. This is in violation of Technical Specification 3.7(2)a which requires a test be performed "every month".

Investigation revealed that Electrical Maintenance personnel had completed the January surveillance test on December 28, 1987 (scheduled due date). Since the test was not completed again until February, the required testing interval of "every month" had not been met. The reason the test was not scheduled and subsequently completed during January can be attributed to the way the surveillance test scheduling program was designed.

To prevent a possible recurrence of this problem, the test will be manually scheduled for the same date each month. This will ensure it is performed during its scheduled calendar month. In addition OPPD has submitted an application for amendment of the Technical Specifications to provide for a 25 percent extension to surveillance intervals. This will provide a reasonable completion period for all surveillance tests not presently covered under this extension.

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

This supplemental report presents the results of a review of completed surveillance tests to determine if they have been completed in accordance with the Technical Specifications. The purpose of this review was to determine the extent of any problems in order to better define corrective actions. For each test (other than monthly and refueling) without a 25 percent allowable extension, past scheduled and actual completion dates were traced back until a representative sample was obtained or, on less frequent tests, until available tests ran out. A safety analysis was conducted to determine the safety impact for any tests that did not meet the Technical Specification required frequency. It has been concluded that no significant safety hazard existed. Revised portions are denoted by a vertical line in the right hand margin.

Surveillance Test ST-DC-1 F.1, "Station Batteries" is performed monthly to satisfy the surveillance requirements of Technical Specification 3.7(2), ensuring the reliability of the station batteries.

On March 15, 1988 the surveillance test coordinator discovered that the testing interval for ST-DC-1 F.1, as required by Technical Specification 3.7(2), had not been met. Technical Specification 3.7(2)a requires that surveillance testing of the Station Batteries be performed "every month". ST-DC-1 F.1 was not completed during the month of January 1988.

Investigation revealed that Electrical Maintenance personnel had completed the monthly test as scheduled on December 28, 1987 (January test) and again on February 2, 1988 (February test). Although the tests were successfully completed on their respective scheduled due dates, the January test was completed prior to January 1. This is contrary to the Technical Specifications which require a test be performed "every month". ST-DC-1 F.1 was not completed during the month of January 1988. The intent of the specification was met, although a literal interpretation was not.

A determination of the primary cause for the test not being scheduled and subsequently completed during January can be attributed to how the surveillance test scheduling program was designed. The computer program as currently designed, defines the first week of a given month as the calendar week which contains the first day of the month. Therefore, the first week may include the last few days of the previous month. In this case, Monday of the first calendar week in January happened to fall on December 28, 1987.

To prevent a possible recurrence of this problem the following corrective action has been taken. A facility license change has been submitted to the NRC for an amendment to the Technical Specifications for a 25 percent extension for surveillance testing intervals not presently covered under this extension.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

To prevent recurrence of this problem until the technical specification amendment is approved, the following items will be completed:

- 1) The testing frequencies as stated in the Technical Specifications will be defined to preclude misinterpretation and the definition will be submitted for inclusion in the Technical Specifications.
- 2) Weekly Surveillance Tests which do not have an allowable 25 percent extension under the existing Technical Specifications are to be performed at a period not to exceed 7 days.
- 3) Monthly surveillance tests which do not have an allowable 25 percent extension under the existing Technical Specifications are to be performed at a period not to exceed 31 days. The following monthly tests have been identified in this category:

- ST-DC-1-F.1 Station Battery Checks (Batteries No. 1 and 2)
- ST-ESF-6-F.2 Diesel Generator Check (D-1 and D-2)
- ST-DC-2-F.1 Battery Charger Check
- ST-FW-1-F.1 Aux. FW Valve Alignment Check in Duplicate
- ST-FW-1-F.2 Pump and Remotely Operated Valve Check
- ST-FW-1-F.3 FW-10 Steam Supply Line Check
- ST-VA-1-F.2 Containment VA Filter Circuit Operation

With the exception of ST-ESF-6-F.2, the above tests are being manually scheduled for the same date each month. For tests not performed by Operations alone, the schedule date will be moved up if it falls on a weekend or holiday. Once the date is moved up, it will stay on the earlier date on subsequent schedules. To be consistent with past Operations practices regarding diesel generator testing, ST-ESF-6-F.2 is being scheduled for every other Wednesday (alternating D-1 and D-2).

Monthly tests which do not have a 25 percent allowable extension are being flagged as such on the daily task planning schedule. This provides a daily reminder to the responsible crafts that those tests must be performed on the date scheduled.

- 4) A review of completed surveillance tests other than monthly without a 25 percent Technical Specification allowable extension was conducted to verify that they have been performed in accordance with the Technical Specifications. Refueling tests without a 25 percent grace period have been excluded, since the grace period has no impact on refueling tests.

For each test, past scheduled and completion dates were traced back until a representative sample was obtained or, on less frequent tests, until available tests ran out. Tests reviewed that did not meet the Technical Specification required interval are underlined on the following table. Failure to perform ST-DC-4-F.3 in 1986 has already been addressed by LER-87-029 dated December 1, 1987.

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

A safety analysis was conducted to determine the safety impact for tests that did not meet the Technical Specification required interval. It was determined that no significant safety hazard existed, since the surveillance tests, with the exception of one weekly test, and ST-DC-4-F.3 as previously discussed, were done inside the 25 percent allowance given by Standard Technical Specifications. The weekly test is an environmental sampling requirement that is a trending function and as such, has no direct impact on plant or public safety. Additionally, the surveillance tests were conducted in accordance with Standing Order G-23 "Surveillance Test Program" with the exception of the required testing interval. A change to the Technical Specifications has been submitted to allow the 25 percent allowance to the surveillance interval.

To preclude further occurrence of this problem, tests on the attached list (with the exception of ST-DC-4-F.1, ST-DC-4-F.2, ST-ERM-1-F.1, and ST-ERM-1-F.5) will be manually scheduled until a computer program is implemented to automatically schedule tests taking the actual completion dates into account. The exceptions in parenthesis are due to the frequencies of these tests which are annual, weekly, or seasonal in which scheduling by computer is appropriate.

This is the fifth LER for failure to perform a surveillance test within the Technical Specification interval. The others are 86-005, 87-016, 87-017, and 87-029.

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TEXT (If more space is required, use additional NRC Form 366A (1))

Test	Description/Title	Tech. Spec. Frequency	Schedule Dates	Complete Dates	Compl. Dates Time Interval
SI-SW-5-F.2	Source Leakage Test	"Intervals not to exceed six months"	6/23/88 12/23/87 6/25/87 12/23/86 6/26/86 12/26/85 6/27/85	6/15/88 12/12/87 6/22/87 12/12/86 6/18/86 12/26/85 6/30/85	6 M, 3 D 5 M, 21 D 6 M, 10 D 5 M, 24 D 5 M, 23 D 5 M, 26 D
SI-SI/CS-1-F.1	SI/CS Pumps and Valves	"Intervals not to exceed three months"	6/12/88 4/12/88 1/12/88 10/13/87 7/14/87OUTAGE..... 1/13/87 10/14/86 7/15/86 4/15/86 1/14/86	6/12/88 4/12/88 1/12/88 10/13/87 7/15/87 6/03/87 1/14/87 10/14/86 7/15/86 4/16/86 1/06/86	2 H 3 H 2 M, 30 D 2 M, 29 D 1 M, 12 D 3 M 2 M, 30 D 2 M, 30 D 3 M, 10 D

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TEXT (if more space is required, use additional NRC Form 366A (1/17))

Test	Description/Title	Tech. Spec. Frequency	Schedule Dates	Complete Dates	Compl. Dates Type Interval
ST-WA-1-F-3	Containment Air Cooling/Filtering Fan & Remotely Op. Damper Check	"Intervals not to exceed three months"	6/29/88 3/29/88 12/29/87 9/29/87 6/30/87 3/31/87 12/30/86	6/29/88 3/29/88 12/29/87 9/29/87 6/30/87 3/31/87 12/30/86	3 M 3 M 3 M 2 M, 30 D 2 M, 28 D 3 M, 3 D
ST-CONT-2-F-2	Personnel Air Lock Leak Rate Test	"every six months"	6/03/88 12/04/87 7/21/87 1/27/87 7/22/86 1/28/86 7/21/85	6/03/88 12/01/87 6/12/87 2/03/87 7/22/86 1/29/86 7/23/85	6 M, 2 D 5 M, 20 D 4 M, 9 D 6 M, 11 D 5 M, 23 D 6 M, 6 D
ST-OC-4-F-1	Station Battery Purd. Emer. Lighting	"at least once each year"	2/10/88 2/11/87 2/05/86 2/06/85 2/08/84	2/11/88 2/11/87 2/10/86 3/07/85 2/09/84	12 M 11 M, 30 D 11 M, 3 D 12 M, 26 D

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	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER						
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TEXT (If more space is required, use additional NRC Form 366A 2/117)

Test	Description/Title	Tech. Spec. Frequency	Schedule Dates	Complete Dates	Compl. Dates Time Interval
ST-ERM-1-F-6	Environmental Sample Collection Data	"once per 24 months between the dates of June 1 and Oct 1"	6/01/88 6/11/86	8/03/88 8/05/86	23 M, 29 D
ST-NZ-1-F-1	Containment Spray Nozzles	"at least every 5 years"	Refuel 87 Refuel 85 Refuel 77	5/08/87 3/21/85 11/14/77	4 Y, 2 M 5 Y, 4 M
SI-ESI-FW-1-F-2	Feedwater Valves Inservice Testing	"at least every three months"	8/02/88 5/02/88 2/02/88 12/29/87 12/01/87 11/03/87 7/25/87 4/28/87 2/03/87	8/02/88 5/02/88 2/02/88 12/29/87 12/01/87 11/03/87 7/28/87 4/29/87 2/03/87	3 M 3 M 1 M, 4 D 28 D 28 D 3 M, 6 D 2 M, 29D 2 M, 26 D

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (If more space is required, use additional NRC Form 366A (17))

Test	Description/Title	Tech. Spec. Frequency	Schedule Dates	Complete Dates	Compl. Dates Time Interval
SI-DC-4-F.2	Battery Powered Emer. Lighting	"at least once each year"	2/17/88 2/18/87	2/19/88 2/18/87	12 M, 1 D 11 M, 12 D
			2/12/86 2/13/85	2/12/86 2/13/85	20 D 11 M, 30 D
			2/15/84	2/14/84	11 M, 30 D
SI-DC-4-F.3	Battery Pwd. Emer. Light - Cont.	"at least once each year"	Refuel 87	5/14/87	16 M, 10 D
			Refuel 85	12/04/85	19 M, 11 D
			Refuel 84 (only tests on RMS)	4/23/84	
SI-ERM-1-F.4	Environmental Sample Collection Data	"semi-annually"	6/25/88 12/26/87	6/24/88 12/30/87	5 M, 25 D 6 M, 1 D
			6/27/87	6/29/87	6 M, 26 D
			12/27/86	12/03/86	5 M, 3 D
			6/28/86	6/30/86	6 M, 15 D
			12/28/85	12/12/85	
SI-ERM-1-F.5	Environmental Sample Collection Data	"once per season (May to October)"	5/02/87	11/18/87	
		(Frequency was once every 5 years prior to 1986)	5/03/86	10/06/86	

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

Test	Description/Title	Tech. Spec. Frequency	Schedule Dates	Complete Dates	Compl. Dates Time Interval
ST-ERM 1-F-1	Environmental Sample Collection Data	"weekly"	8/29/88 8/20/88 8/13/88 8/06/88 7/30/88 7/23/88 7/16/88 7/09/88	8/22/88 8/15/88 8/10/88 8/06/88 7/30/88 7/22/88 7/15/88 7/08/88	7 D 5 D 4 D 7 D 8 D 7 D 7 D
ST-ERM 1-F-4	Environmental Sample Collection Data	"semi-monthly (May to Oct)"	5/14/88 5/28/88 6/11/88 6/25/88 7/09/88 7/23/88 8/13/88 8/27/88	5/16/88 5/31/88 6/10/88 6/24/88 7/06/88 7/22/88 8/11/88 8/24/88	

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Fort Calhoun Station, Unit No. 1	DOCKET NUMBER (2) 0 5 0 0 0 2 8 5	LER NUMBER (6) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th style="width:15%;">YEAR</th> <th style="width:25%;">SEQUENTIAL NUMBER</th> <th style="width:20%;">REVISION NUMBER</th> </tr> <tr> <td style="text-align: center;">8 8</td> <td style="text-align: center;">— 0 0 6</td> <td style="text-align: center;">— 0 1</td> </tr> </table>	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	8 8	— 0 0 6	— 0 1	PAGE (3) 1 0 OF 1 0
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TEXT (If more space is required, use additional NRC Form 366A (1/17))

Test	Description/Title	Tech. Spec. Frequency	Schedule Dates	Complete Dates	Compl. Dates Time Interval
ST-ERM-1-F-3	Environmental Sample Collection Data	Quarterly*	6/25/88	6/21/88	2 M, 27 D
			3/26/88	3/25/88	2 M, 24 D
			12/26/87	12/30/87	3 M, 2 D
			9/26/87	9/28/87	2 M, 30 D
			6/27/87	6/29/87	2 M, 29 D
			3/28/87	3/30/87	3 M, 1 D
			12/27/86	12/29/86	3 M, 5 D
			9/27/86	9/24/86	

OMPD

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

September 29, 1988
LIC-88-677

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

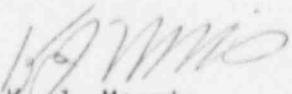
Reference: Docket No. 50-285

Gentlemen:

SUBJECT: Licensee Event Report for the Fort Calhoun Station

Please find attached Revision 1 to Licensee Event Report 88-006 dated September 29, 1988. This report is being submitted per requirements of 10 CFR 50.73. This supplement provides the results of a surveillance test review to determine if completed tests have been in accordance with Technical Specifications. The purpose of this review was to determine the extent of any problems in order to better define corrective actions. For each test (other than monthly and re-fueling) without a 25 percent allowable extension, past scheduled and actual completion dates were traced back until a representative sample was obtained or, on less frequent tests, until available tests ran out. A safety analysis was conducted to determine the safety impact for any tests that did not meet the Technical Specification required frequency. A list of the tests reviewed is attached. It has been concluded that no significant safety hazard existed. Revisions are noted by vertical lines in the right hand margin.

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
D. F. Molzer
C. J. Sterba
M. W. Butt
PRC Chairman % R. G. Ellis

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