

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Fort Calhoun Station, Unit No. 1	DOCKET NUMBER (2) 0 5 0 0 0 2 8 5	PAGE (3) 1 OF 0 2
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TITLE (4)
Exceeding High Alarm Setpoint on Radiation Monitor

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)																																																																																													
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<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td colspan="12">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)</td> </tr> <tr> <td colspan="3">OPERATING MODE (9) 3</td> <td colspan="3">20.402(b)</td> <td colspan="3">20.406(e)</td> <td colspan="3">90.73(a)(2)(iv)</td> <td colspan="3">73.71(b)</td> </tr> <tr> <td colspan="3">POWER LEVEL (10) 0 0 0</td> <td colspan="3">20.406(a)(1)(i)</td> <td colspan="3">90.36(e)(1)</td> <td colspan="3">90.73(a)(2)(v)</td> <td colspan="3">73.71(c)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(ii)</td> <td colspan="3">90.36(e)(2)</td> <td colspan="3">90.73(a)(2)(vii)</td> <td colspan="3" rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 306A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(iii)</td> <td colspan="3">90.73(a)(2)(i)</td> <td colspan="3">90.73(a)(2)(viii)(A)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(iv)</td> <td colspan="3">90.73(a)(2)(ii)</td> <td colspan="3">90.73(a)(2)(viii)(B)</td> </tr> <tr> <td colspan="3"></td> <td colspan="3">20.406(a)(1)(v)</td> <td colspan="3">90.73(a)(2)(iii)</td> <td colspan="3">90.73(a)(2)(x)</td> </tr> </table>												THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)												OPERATING MODE (9) 3			20.402(b)			20.406(e)			90.73(a)(2)(iv)			73.71(b)			POWER LEVEL (10) 0 0 0			20.406(a)(1)(i)			90.36(e)(1)			90.73(a)(2)(v)			73.71(c)						20.406(a)(1)(ii)			90.36(e)(2)			90.73(a)(2)(vii)			OTHER (Specify in Abstract below and in Text, NRC Form 306A)						20.406(a)(1)(iii)			90.73(a)(2)(i)			90.73(a)(2)(viii)(A)						20.406(a)(1)(iv)			90.73(a)(2)(ii)			90.73(a)(2)(viii)(B)						20.406(a)(1)(v)			90.73(a)(2)(iii)			90.73(a)(2)(x)		
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LICENSEE CONTACT FOR THIS LER (12)

NAME John A. Drahota, I & C Engineer Fort Calhoun Station, Unit No. 1	TELEPHONE NUMBER AREA CODE 4 0 2 4 2 6 1 - 4 0 1 1
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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)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

On July 5, 1984, during the performance of surveillance test ST-RM-2, the high alarm setpoint for RM-062, stack noble gas monitor, was found to be exceeding the Technical Data Book high alarm setpoint of 116,000 cpm + 15%. The as found setpoint was 150,200 cpm. RM-062 alert setting was within tolerance. Although the setpoint was verified to be at 150,200 cpm on July 5, 1984, per ST-RM-2, Section F.2, the deviation was not discovered until review of this surveillance test. This review occurred August 3, 1984. Subsequently, the monitor was immediately recalibrated to the setpoint requirements in the Technical Data Book which satisfy the requirements of the Technical Specifications. This event was discovered while returning the plant to operating status after a re-fueling shutdown.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

Technical Specification 2.14, Table 2-1 specifies a maximum limit of 1.5×10^{-3} microcuries per cubic centimeter for releases from Fort Calhoun Station. The Technical Data Book specifies setpoints for various radiation monitors to ensure release rates are not exceeded. RM-062, stack noble gas radiation monitor, performs the function of isolating ventilation (VIAS) if the alarm setpoint is exceeded. The as found setpoint for RM-062, on July 5, 1984, was 150,200 counts per minute which rendered the radiation monitor incapable of performing its design function of initiating VIAS prior to a release exceeding 1.5×10^{-3} microcuries per cubic centimeter. The cause of the setpoint being out of specification was determined to be related to drift in the alarm card. The monitor was immediately recalibrated to 118,000 counts per minute in accordance with the Technical Data Book and the Technical Specifications. The recorder charts for RM-062 were reviewed and the review showed that in no case while RM-062 was inoperable did the monitor exceed the alert setpoint of 18,700 counts per minute. This event was discovered while returning the plant to operating status after a refueling shutdown.

During the event, the alert setpoint for RM-062 was within specified tolerance and other radiation monitors were operable and at no time during the event did RM-062 exceed its alert setpoint nor did the other radiation monitors reach their high alarm setpoint.

The surveillance test review process will be evaluated to determine if changes should be made to avoid the delayed discovery of surveillance test discrepancies.

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

September 2, 1984
FC-710-84
LIC-84-297

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

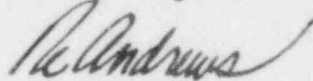
Reference: Docket No. 50-285

Gentlemen:

Licensee Event Report for
the Fort Calhoun Station

Please find attached Licensee Event Report 84-016 dated
September 2, 1984. This report is being submitted per re-
quirements of 10 CFR 50.73.

Sincerely,



R. L. Andrews
Division Manager
Nuclear Production

RLA/DJM:jmm

Attachment

cc: Mr. Richard P. Denise, Director
Division of Resident, Reactor Project
and Engineering Programs
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

INPO Records Center
Mr. E. G. Tourigny, Project Manager

SARC Chairman
PRC Chairman
Mr. L. A. Yandell, Senior Resident
Inspector
Fort Calhoun File (2)

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