

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Wolf Creek Generating Station	DOCKET NUMBER (2) 050004821	PAGE (3) 1 OF 03
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TITLE (4)  
Engineered Safety Features Actuation Caused by Loose Connections in Containment Atmosphere 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)
08	25	88	88	015	0	09	23	88			05000

OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 50. /Check one or more of the following/ (11)									
POWER LEVEL (10) 11010	<input type="checkbox"/> 20.402(a)	<input type="checkbox"/> 20.406(a)	<input checked="" type="checkbox"/> 80.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 80.36(a)(1)	<input type="checkbox"/> 80.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)						
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 80.36(a)(2)	<input type="checkbox"/> 80.73(a)(2)(vi)	OTHER (Specify in Abstract Below and in Text, NRC Form 306A)						
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 80.73(a)(2)(i)	<input type="checkbox"/> 80.73(a)(2)(vii)(A)							
	<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 80.73(a)(2)(ii)	<input type="checkbox"/> 80.73(a)(2)(vii)(B)							
	<input type="checkbox"/> 20.406(a)(1)(vi)	<input type="checkbox"/> 80.73(a)(2)(iii)	<input type="checkbox"/> 80.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)

NAME Merlin G. Williams - Manager Plant Support	TELEPHONE NUMBER AREA CODE: 3116   3164   -188   311
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH   DAY   YEAR
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ABSTRACT (Limit to 1400 words, i.e., approximately fifteen single-space typewritten lines) (16)

On August 25, 1988, at 1248 CDT, a Containment Purge Isolation Signal and a Control Room Ventilation Isolation Signal were received from Containment Atmosphere Radiation Monitor GT-RE-32. All Engineered Safety Features equipment required to operate responded properly.

Troubleshooting revealed loose vendor installed connections on a current isolator socket. Following tightening of the connections, the monitor was returned to service. The same connections on the remaining safety-related radiation monitors were inspected. No additional loose connections were found.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1):  Wolf Creek Generating Station	DOCKET NUMBER (2):  0 5   0   0   0   4   8   2	LER NUMBER (6):			PAGE (3):		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8   8	-   0   1   5	-   0   0	0   2	OF	0   3

TEXT (if more space is required, use additional NRC Form 388A (9/11)).

INTRODUCTION:

On August 25, 1988, at 1248 CDT, a Containment Purge [VA] Isolation Signal (CPIS) and a Control Room Ventilation [VI] Isolation Signal (CRVIS) were received from Containment Atmosphere Radiation Monitor [IL-MON] GT-RE-32. All Engineered Safety Features (ESF) equipment [JE] required to operate responded properly. This event is being reported pursuant to 10CFR50.73 (a) (2) (iv) as an automatic actuation of ESF equipment.

DESCRIPTION OF EVENT

On August 25, 1988, at 1248 CDT, a CPIS and a CRVIS were received from Radiation Monitor GT-RE-32. No radiation above normal background was present as indicated on redundant Radiation Monitor GT-RE-31. At the time of the event the unit was in Mode 1, Power Operation, at approximately 100% power. Monitor GT-RE-32 was placed in bypass for troubleshooting at 1304 CDT.

Troubleshooting of the monitor revealed that three connections on a current isolator socket were loose. The current isolator regulates output from the skid-mounted microprocessor of the radiation monitor to the bistables in the Control Room. The loose connections resulted in a loss of current, which tripped the bistable.

After placing the monitor in bypass, the CPIS and CRVIS were reset at 1306 CDT. Following troubleshooting of the monitor, the connections were tightened and operability of the system was verified in accordance with plant surveillance procedures. The monitor was returned to service on August 26, 1988, at 1420 CDT.

ROOT CAUSE AND CORRECTIVE ACTION

Radiation monitor GT-RE-32 is a particulate, iodine, and gas monitor, model 0356-1601-04, supplied by General Atomic Company. On August 24, 1988, during normal plant surveillance activities the current isolator was found to be faulty and replaced. This activity may have contributed to additional loosening of already loose connections. The original connections were made by the vendor and have been in place since plant startup. It is believed that the vendor was the source of the loose connections and therefore no root cause can be determined. In addition to tightening the connections on GT-RE-32, corrective actions included inspecting the same connections on the remaining seven safety-related radiation monitors. No additional loose connections were found.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR 8 8	SEQUENTIAL NUMBER - 0 1 5	REVISION NUMBER - 0 0		

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

ADDITIONAL INFORMATION

There was no damage to plant equipment or release of radioactivity as a result of this event. During this event the redundant radiation monitor, GT-RE-31, was available to provide a true indication of plant conditions. At no time did conditions develop that posed a threat to the health and safety of the public.

There have been no previous similar occurrences.

# WOLF CREEK NUCLEAR OPERATING CORPORATION

Bart D. Withers  
President and  
Chief Executive Officer

September 23, 1988

WM 88-0235

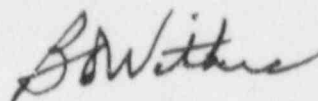
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-137  
Washington, D. C. 20555

Subject: Docket No. 50-482: Licensee Event Report 88-015-00

Gentlemen:

The attached Licensee Event Report (LER) is submitted pursuant to 10 CFR 50.73 (a) (2) (iv) concerning an Engineered Safety Features actuation.

Very truly yours,



Bart D. Withers  
President and  
Chief Executive Officer

BDW/jad

Attachment

cc: B. L. Bartlett (NRC), w/a  
D. D. Chamberlain (NRC), w/a  
R. D. Martin (NRC), w/a  
P. W. O'Connor (NRC), w/a (2)

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