

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Wolf Creek Generating Station										DOCKET NUMBER (2) 0 5 0 0 0 4 8 2				PAGE (3) 1 OF 12											
TITLE (4) Engineered Safety Features Actuation - Control Room Ventilation Isolation																									
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)												
0	8	0	6	8	5	8	5	0	5	5	0	0	0	9	0	4	8	5	0	5	0	0	0		
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																							
POWER LEVEL (10)		20.402(b) X 20.406(c) 50.73(a)(2)(iv) 73.71(b)																							
0 9 1 2		20.406(a)(1)(i) 50.36(c)(1) 50.73(a)(2)(v) 73.71(c)																							
		20.406(a)(1)(ii) 50.36(c)(2) 50.73(a)(2)(vi) OTHER (Specify in Abstract below and in Text, NRC Form 366A)																							
		20.406(a)(1)(iii) 50.73(a)(2)(i) 50.73(a)(2)(viii)(A)																							
		20.406(a)(1)(iv) 50.73(a)(2)(ii) 50.73(a)(2)(viii)(B)																							
		20.406(a)(1)(v) 50.73(a)(2)(iii) 50.73(a)(2)(ix)																							
LICENSEE CONTACT FOR THIS LER (12)																									
NAME Merlin G. Williams - Superintendent of Regulatory, Quality and Administrative Services										TELEPHONE NUMBER															
										AREA CODE															
										3 1 1 6		3 1 6 4 1 - 1 8 1 8 1 3 1 1													
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)												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 6, 1985, at approximately 2141 CDT a Control Room Ventilation Isolation was initiated due to a radiation monitor momentarily signaling high radiation levels in the outside air makeup to the Control Building ventilation system. All required Engineered Safety Features equipment functioned properly. During this event the plant was in Mode 1, Power Operation, at 92 percent reactor power.

The isolation signal occurred due to a nearby lightning strike causing a voltage fluctuation to the radiation monitor power supply, which in turn caused the monitor to alarm. After the voltage fluctuation passed, the monitor immediately returned to normal readings and cleared the alarm. The reason that this monitor alarmed while other radiation monitors powered from the same source did not alarm is still being investigated.

No radiation was present as confirmed by a redundant Control Building ventilation radiation monitor.

There was no damage to plant equipment or release of radioactivity due to this event, and at no time was there a threat to the health or safety of the public.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

On August 6, 1985, at approximately 2141 CDT a Control Room Ventilation Isolation Signal (CRVIS) occurred due to radiation monitor GK-RE-05[IL-MON] momentarily indicating high radiation levels in the outside air makeup to the Control Building Heating, Ventilation, and Air Conditioning system [VI]. Upon receipt of the CRVIS, all Engineered Safety Features equipment required to operate functioned correctly.

At the time of the CRVIS the plant was in Mode 1, Power Operation, at 92 percent reactor power, and the general plant area was in the midst of a thunderstorm. Immediately after alarming high radiation levels, the alarm cleared and the monitor returned to normal background level indication. No radiation above normal background was present as confirmed by redundant radiation monitor GK-RE-04. The Control Building Heating, Ventilation and Air Conditioning system was restored to a normal configuration per plant procedures at approximately 2157 CDT.

The cause of this event was a lightning strike on the plant site at the Fire Brigade training grounds which resulted in a 13,800 volt breaker supplying general site power tripping. This caused voltage fluctuations on some in-plant power supply busses, including NG01B, a 480 volt class 1E Motor Control Center [ED] which provides 120 volt power to radiation monitor GK-RE-05. The reason that this monitor alarmed while other radiation monitors powered from the same Motor Control Center did not alarm is being pursued with the radiation monitor supplier, General Atomic Co.

There have been no previous similar occurrences and there was no damage to plant equipment or release of radioactivity as a result of this event. At no time did conditions develop that may have posed a threat to the public health or safety.



KANSAS GAS AND ELECTRIC COMPANY

GLENN L. KOESTER
VICE PRESIDENT - NUCLEAR

September 4, 1985

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

Mr. R.P. Denise, Director
Division of Reactor Safety and Projects
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

KMLNRC 85-214
Re: Docket No. STN 50-482
Subj: Licensee Event Report 85-055-00

Gentlemen:

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

Yours very truly,

Glenn L. Koester
Vice President - Nuclear

GLK:see

Enclosure

xc: PO'Connor (2), w/a
JCummins, w/a

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