

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Wolf Creek Generating Station DOCKET NUMBER (2) 0 5 0 0 0 4 18 12 1 OF 0 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	1	0	4	8	6	8	6	0	0	1	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)	0 1 9 1 9	20.402(b)		20.405(a)(1)(i)		20.405(e)		X		50.73(a)(2)(iv)		73.71(b)	
		20.405(a)(1)(ii)		50.36(c)(1)		50.73(a)(2)(v)				50.73(a)(2)(vi)		73.71(c)	
		20.405(a)(1)(iii)		50.36(c)(2)		50.73(a)(2)(vii)				50.73(a)(2)(viii)(A)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
		20.405(a)(1)(iv)		50.73(a)(2)(i)		50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)			
		20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)				50.73(a)(2)(x)			

LICENSEE CONTACT FOR THIS LER (12)

NAME Merlin G. Williams - Superintendent of Regulatory, Quality and Administrative Services TELEPHONE NUMBER 3 1 1 6 3 1 6 1 4 1 - 1 8 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										
B	V	I	A	I	T	X	1	9	1	9	N								

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) X NO EXPECTED SUBMISSION DATE (15) MONTH DAY YEAR

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

On January 4, 1986, at 2310 CST, a Control Room Ventilation Isolation Signal (CRVIS) occurred due to chlorine monitor GK-AITS-3 indicating high chlorine level in the outside air makeup to the Control Building Heating, Ventilating and Air Conditioning System. Upon receipt of the CRVIS, all Engineered Safety Features equipment required to operate responded properly.

During this event, the plant was in Mode 1, Power Operation, with the Reactor at 99 percent power. No chlorine was present as evidenced by normal readings on redundant chlorine monitor GK-AITS-2. The Control Building Heating, Ventilating and Air Conditioning System was returned to a normal configuration in accordance with plant procedures at 2328 CST.

Examination of the monitor revealed that the sample pump had failed, which caused the chlorine monitor's fuse to blow. The loss of power to the chlorine monitor caused the CRVIS.

The sample pump was replaced and GK-AITS-3 was returned to service at 1510 CST on January 6, 1986.

The chlorine monitor is an MDA Scientific, Inc. model 7040 FAN. Although the chlorine monitors have caused several CRVIS's, this is the first event with the root cause being a failure of the sample pump.

There was no damage to plant equipment or release of radioactivity as a result of this event, and at no time did conditions develop that may have posed a threat to the public health or safety.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

FACILITY NAME (1) Wolf Creek Generating Station	DOCKET NUMBER (2) 0500048286	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		86	001	00	02	OF 02

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

On January 4, 1986, at 2310 CST, a Control Room Ventilation Isolation Signal (CRVIS) occurred due to chlorine monitor GK-AITS-3 [VI-AIT] indicating high chlorine level in the outside air makeup to the Control Building Heating, Ventilating and Air Conditioning System [VI]. Upon receipt of the CRVIS, all Engineered Safety Features equipment required to operate responded properly.

During this event, the plant was in Mode 1, Power Operation, with the Reactor at 99 percent power. No chlorine was present as evidenced by normal readings on redundant chlorine monitor GK-AITS-2. The Control Building Heating, Ventilating and Air Conditioning System was returned to a normal configuration in accordance with plant procedures at 2328 CST.

Examination of the monitor after the event revealed that the sample pump had failed, which caused the chlorine monitor's fuse to blow. The loss of power to the chlorine monitor caused the CRVIS.

The monitor senses chlorine by passing a measured amount of air through a chemically treated paper tape which changes opacity in the presence of chlorine proportional to the chlorine concentration. The sample pump provides the measured amount of air.

The sample pump was replaced and GK-AITS-3 was returned to service at 1510 CST on January 6, 1986.

The chlorine monitor is an MDA Scientific, Inc. model 7040 FAN. Although the chlorine monitors have caused several CRVIS's, this is the first event with the root cause being a failure of the sample pump.

There was no damage to plant equipment or release of radioactivity as a result of this event, and 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

February 3, 1986

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

Mr. E.H. Johnson, Acting Director
Division of Reactor Safety and Projects
U.S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive, Suite 1000
Arlington, Texas 76011

KMLNRC 86-020
Re: Docket No. STN 50-482
Subj: Licensee Event Report 86-001-00

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,

John G. Bailey
for Glenn L. Koester
Vice President - Nuclear

GLK:see

Enclosure

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

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