

L I C E N S E E V E N T R E P O R T (L E R)

FACILITY NAME (1) Arkansas Nuclear One, Unit Two DOCKET NUMBER (2) PAGE (3)
101510101 31 61 8110F1012

TITLE (4) Loss of Two of Three Reactor Coolant System Leakage Detection Systems

EVENT DATE (5)			LER NUMBER (6)		REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)	
Month	Day	Year	Sequential Number	Revision Number	Month	Day	Year	Facility Names	Docket Number(s)
01	08	1984	00022	000	01	09	1984		01510101
OPERATING MODE (9) 1 THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §:									
(Check one or more of the following) (11)									
POWER	20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)		
LEVEL	20.405(a)(1)(i)		50.36(c)(1)		50.73(a)(2)(v)		73.71(c)		
(10) 11010	20.405(a)(1)(ii)		50.36(c)(2)		50.73(a)(2)(vii)		Other (Specify in		
	20.405(a)(1)(iii)		50.73(a)(2)(i)		50.73(a)(2)(viii)(A)		Abstract below and		
	20.405(a)(1)(iv)		50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)		in Text, NRC Form		
	20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(x)		366A)		

NAME Patcick C. Rogers, Plant Licensing Engineer TELEPHONE NUMBER
Area Code 510119643110101

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

Cause	System	Component	Manufacturer	Reportable to NPRDS	Cause	System	Component	Manufacturer	Reportable to NPRDS
X	II K	511	F112	0					
X	II K	31	F112	0					

SUPPLEMENT REPORT EXPECTED (14) EXPECTED SUBMISSION DATE (15) 0151151815
[X] Yes (If yes, complete Expected Submission Date) [] No

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

On 8/13/84, while in Mode 1 at 100% full power (FP), a routine operations tour revealed that Containment Atmospheric Monitoring System (CAMS) unit 2RITS-8271-2 was not operating. Efforts to reset the unit were unsuccessful. The redundant CAMS unit 2RITS-8231-1 was also found to be inoperable. As a result, the provisions of Technical Specification 3.4.6.1 for Reactor Coolant System (RCS) leakage detection systems were exceeded. Other methods for monitoring RCS leakage remained available. CAMS unit 2RITS-8271-2 was inoperable because the sample pump overload relays had tripped, believed to be caused by high ambient temperature in the area. The relays were reset and the unit operated satisfactorily. Engineering analysis is being performed to evaluate cooling improvements for the area. CAMS unit 2RITS-8231-1 was inoperable because of poor connection of an interlock relay. Repairs were made to the relay and the unit operated satisfactorily. Similar occurrences have been reported in LER 368/82-022 and LER 368/80-047.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Arkansas Nuclear One, Unit Two	DOCKET NUMBER (2) 0151010101 31 61 81	LER NUMBER (6)				PAGE (3) 012101012
		Sequential		Revision		
		Year	Number	Number	Number	
TEXT (If more space is required, use additional NRC Form 366A's) (17) 81 41 -- 0 12 1 2 -- 0 1 0						

On 8/13/84, while in Mode 1 at 100% FP, a routine operations tour revealed that Containment Monitoring System (CAMS) unit 2RITS-8271-2 was not operating. Efforts to reset the unit were unsuccessful. The redundant CAMS unit 2RITS-8231-1 was checked and also found to be inoperable. The CAMS units provide for two of the three required Reactor Coolant System (RCS) leakage detection systems. Since both CAMS units were inoperable the provisions of Technical Specification 3.4.6.1 were exceeded. The containment sump level monitoring remained operable to provide RCS leakage detection. Containment atmosphere sampling per the requirements of Technical Specification 3.4.6.1 was initiated. Other methods, such as monitoring of volume control tank level, pressurizer level and containment area radiation monitors were available to detect RCS leakage.

CAMS unit 2RITS-8271-2 was inoperable because the sample pump overload relays had tripped. The overload relays were reset and the unit operated satisfactorily. It is believed that the relays tripped because of high ambient temperatures in the area where 2RITS-8271-2 is located. The cooling in this area has been optimized by insulating high heat sources in the room, re-routing duct work and by air flow balancing. An engineering evaluation is being performed to determine additional cooling needs for the area.

CAMS unit 2RITS-8231-1 was inoperable because of a poor connection of an interlock relay. Repairs were made to the relay and the unit operated satisfactorily.

CAMS units 2RITS-8271-2 and 2RITS-8231-1 are manufactured by Fischer-Porter and are Model No. 163B020401. The EIIIS identifier for the relay on 2RITS-8271-2 is 02IK-51-8271-2. The EIIIS identifier for the relay on 2RITS-8231-1 is 02IK-3-8231-1. Similar occurrences have been reported in LER 368/82-022 and LER 368/80-047.



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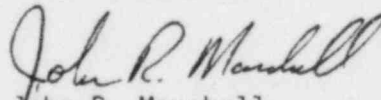
U. S. Nuclear Regulatory Commission
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Subject: Arkansas Nuclear One - Unit 2
Docket No. 50-368
License No. NPF-6
Licensee Event Report
No. 84-022-00

Gentlemen:

In accordance with 10CFR50.73(a)(2)(i), attached is the subject report concerning the failure of the Containment Atmospheric Monitoring System unit 2RITS-8271-2.

Very truly yours,


John R. Marshall
Manager, Licensing

JRM:RJS:ac

Attachment

cc: Mr. Richard C. DeYoung
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Washington, DC 20555

Mr. Norman M. Haller, Director
Office of Management & Program Analysis
U. S. Nuclear Regulatory Commission
Washington, DC 20555

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