NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Sequoyah, Unit 1	0 5 0 0 0 3 2 7	1 OF 0 2

TITLE (4)
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 5 0 0 0
0 8	0 7	8 4	8 4	—	0 5 0	—	0 0	0 9	0 6	8 4		0 5 0 0 0

OPERATING MODE (9)	1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	100	20.402(b)	20.405(c)	XX 50.73(a)(2)(iv)	73.71(b)
		20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
		20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
Glenn E. Duggin, Compliance Section Engineer	6 1 5 8 7 0 - 6 1 4 6

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	

SUPPLEMENTAL REPORT EXPECTED (14)		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	XX NO				

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

A spurious signal from the chlorine detector caused a control room isolation (CRI) to occur. Maintenance personnel tested the monitor and found it functioning properly after performing Surveillance Instruction (SI)-240, "Functional Test of Control Room Air Intake Chlorine Detection System". The cause of the spurious signal could not be found nor could the signal be reproduced. The detector was determined to be operational and it was returned to service.

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
Sequoyah, Unit 1	0 5 0 0 0 3 2 7	8 4	— 0 5 0	— 0 0	0 2 OF 0 2

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

The control room ventilation isolation (CRI) occurred at 0728C on 08/07/84 while unit 1 was in mode 1 (100%, 2235 psig, 578 degrees F) and unit 2 was in mode 1 (100%, 2235 psig, 578 degrees F). All associated equipment and personnel responded and performed as expected during the CRI. The operator responded to the alarm (CL-43-205B) and determined that the alarm was in fact spurious and not due to a high chlorine level. Maintenance personnel tested the chlorine detector and found it functioning properly after performing Surveillance Instruction (SI)-240, "Functional Test of Control Room Air Intake Chlorine Detection System". A spurious signal from the chlorine detector caused the CRI. The cause of the spurious signal could not be found nor could the signal be reproduced. One possible cause is that the reset button on the analyzer panel could have been inadvertently actuated. The detector was determined to be operational and it was returned to service at 1040C on 08/07/84.

There was no effect upon public health or safety, and no plant safety margins were exceeded. Chlorine levels were not above normal during this time.

Previous occurences - none in 1984 caused by chlorine detection.

Previous occurrences of CRIs in 1984 - SQRO-50-327/84004, -327/84039.

TENNESSEE VALLEY AUTHORITY

Sequoyah Nuclear Plant
Post Office Box 2000
Soddy Daisy, Tennessee 37379

September 6, 1984

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

Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO. 50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT SQRO-50-327/84050

The enclosed licensee event report provides details concerning the control room isolation caused by a spurious signal from the chlorine detector. This event is reported in accordance with 10 CFR 50.73, paragraph a.2.IV.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

P. R. Wallace
Plant Manager

Enclosure
cc (Enclosure):

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Suite 2900
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Atlanta, Georgia 30323

Records Center
Institute of Nuclear Power Operations
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

NRC Inspector, NUC PR, Sequoyah

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