

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Sequoyah, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 2 7	PAGE (3) 1 OF 0 2
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TITLE (4)
Control Room Isolation

EVENT DATE (6)			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)																																									
09	18	84	84	062	00	10	16	84			0 5 0 0 0																																									
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9) 1</td> <td colspan="11">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="5">POWER LEVEL (10) 1 1 0 0</td> <td>20.402(b)</td> <td>20.405(c)</td> <td><input checked="" type="checkbox"/></td> <td>50.73(a)(2)(iv)</td> <td>73.71(b)</td> </tr> <tr> <td>20.405(a)(1)(i)</td> <td>50.36(e)(1)</td> <td><input type="checkbox"/></td> <td>50.73(a)(2)(v)</td> <td>73.71(c)</td> </tr> <tr> <td>20.405(a)(1)(ii)</td> <td>50.36(e)(2)</td> <td><input type="checkbox"/></td> <td>50.73(a)(2)(vii)</td> <td rowspan="3">OTHER (Specify in Abstract below and in Text, NRC Form 366A)</td> </tr> <tr> <td>20.405(a)(1)(iii)</td> <td>50.73(a)(2)(ii)</td> <td><input type="checkbox"/></td> <td>50.73(a)(2)(viii)(A)</td> </tr> <tr> <td>20.405(a)(1)(iv)</td> <td>50.73(a)(2)(iii)</td> <td><input type="checkbox"/></td> <td>50.73(a)(2)(viii)(B)</td> </tr> <tr> <td>20.405(a)(1)(v)</td> <td>50.73(a)(2)(iii)</td> <td><input type="checkbox"/></td> <td>50.73(a)(2)(ix)</td> <td></td> </tr> </table>												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) 1 1 0 0	20.402(b)	20.405(c)	<input checked="" type="checkbox"/>	50.73(a)(2)(iv)	73.71(b)	20.405(a)(1)(i)	50.36(e)(1)	<input type="checkbox"/>	50.73(a)(2)(v)	73.71(c)	20.405(a)(1)(ii)	50.36(e)(2)	<input type="checkbox"/>	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)(ii)	<input type="checkbox"/>	50.73(a)(2)(viii)(A)	20.405(a)(1)(iv)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(viii)(B)	20.405(a)(1)(v)	50.73(a)(2)(iii)	<input type="checkbox"/>	50.73(a)(2)(ix)	
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LICENSEE CONTACT FOR THIS LER (12)

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

<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 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

A control room ventilation isolation (CRI) occurred as a result of a personnel error when the test switch on the chlorine detector was actuated. Another CRI occurred when a capacitor lead came loose on a radiation monitor chart drive motor and generated spurious electromagnetic interference (EMI) when the recorder was moved. The EMI caused the monitor to spike enough to actuate the high radiation alarm. Neither radiation nor chlorine levels were above normal during this time. The CRIs were reset and both the chlorine detector and the radiation monitor were returned to normal.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Sequoyah, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 2 7	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	- 0 6 2	- 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 388A's) (17)

This LER involves two separate incidents. The first control room isolation (CRI) occurred at 0930 CST on 09/18/84, while unit 1 was in mode 1 (100 percent power, 2235 psig, 579 degrees F) and unit 2 was in mode 1 (100 percent power, 2235 psig, 578 degrees F). The CRI was reset and the chlorine detector was returned to service at 0935 CST on 09/18/84. The second CRI occurred at 2310 CST on 09/29/84, while unit 1 was in mode 1 (30 percent power, 2235 psig, 557 degrees F) and unit 2 was in mode 4 (0 percent power, 375 psig, 332 degrees F). The CRI was reset at 2320 CST on 09/29/84. The radiation monitor (RM) chart drive motor was repaired at 2320 CST on 10/10/84. The RM was operable during this time. All associated equipment and personnel responded and performed as expected during the CRIs. The operator responded to the alarms (RM-90-125) and the chlorine detector (CL-43-205) and determined that a spurious actuation had occurred. The CRIs were reset, the ventilation system realigned to normal, and the actuating equipment returned to normal. Neither a high radiation level nor a high chlorine level existed during this time.

In the first incident, an assistant unit operator (AUO) pushed the test button on the chlorine detector without first placing the chlorine analyzer in the test position. The AUO was attempting to correct the drip rate on the detector. The AUO immediately realized what had happened and notified the unit operator to reset the CRI and realign the ventilation system. Instrument maintenance was notified to correct the drip rate on the detector and verify the detector's operability. No problem was found with the chlorine detector. Instructions are written and a warning signal is posted to warn personnel about this type of error. Personnel failed to heed the warning in this instance. A yellow caution sign is being added to the detector that is more visible and gives a more explicit warning to personnel.

In the second incident, the high radiation alarm on the radiation monitor (RM) was actuated by a spike. The spike was caused by the generation of electromagnetic interference (EMI) when the recorder chart drive motor was moved. The recorder is periodically pulled out from the RM to change the chart paper. The EMI was generated due to a lead on a capacitor being loose. The loose capacitor lead caused an intermittent connection when the recorder was moved. The operation of the RM was not affected as long as the recorder was not moved. The capacitor lead was resoldered to correct the EMI problem. No other problem was found and the RM was returned to service.

There was no effect on public health or safety and no plant safety margins were exceeded. Neither radiation nor chlorine levels were above normal during this time.

Previous occurrences of CRIs in 1984 - SQRO-50-327/84004, 34039, 84050.

TENNESSEE VALLEY AUTHORITY

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

October 16, 1984

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

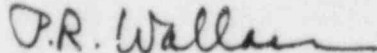
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO.
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT
SQRO-50-327/84062

The enclosed licensee event report provides details concerning the two control room isolations. One occurred due to a spike on a radiation monitor and another due to a personnel error. 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):

James P. O'Reilly, Director
U.S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30323

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

NRC Inspector, NUC PR, Sequoyah