

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Sequoyah, Unit 1DOCKET NUMBER (2)
0 5 0 0 0 3 2 7 1 OF 0 2TITLE (4)
Auxiliary Building 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	3	1	8	4	8	4	0	3	7	0	5	0	0	0
0	5	3	1	8	4	8	4	0	3	7	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 0 0	20.402(b)		20.406(c)		<input checked="" type="checkbox"/> 50.73(a)(2)(iv)		73.71(b)			
		20.406(a)(1)(i)		50.38(e)(1)		<input type="checkbox"/> 50.73(a)(2)(v)		73.71(c)			
		20.406(a)(1)(ii)		50.38(e)(2)		<input type="checkbox"/> 50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
		20.406(a)(1)(iii)		50.73(a)(2)(i)		<input type="checkbox"/> 50.73(a)(2)(viii)(A)					
		20.406(a)(1)(iv)		50.73(a)(2)(ii)		<input type="checkbox"/> 50.73(a)(2)(viii)(B)					
		20.406(a)(1)(v)		50.73(a)(2)(iii)		<input type="checkbox"/> 50.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)
NAME
Glenn Duggin, Compliance Section EngineerTELEPHONE NUMBER
AREA CODE
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)
☐ YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NOEXPECTED SUBMISSION DATE (15)
MONTH DAY YEAR

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

A high radiation alarm was actuated which caused an auxiliary building ventilation isolation (ABI) to occur. Investigation revealed that a spike occurred on the spent fuel pool (SFP) radiation monitor. The background radiation level is so close to the setpoint that normal fluctuations of the detector can trip the alarm. Radiation levels were not above normal during this time.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Sequoyah, Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 2 7 8 4 — 0 3 7 — 0 0	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		84	037	00	02	OF	02

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

This LER involves three separate incidents. The first auxiliary building isolation (ABI) occurred at 0444C on 05/31/84 while unit 1 was in mode 3 (0% power, 2235 psig, 547 degrees F) and unit 2 was in mode 1 (100% power, 2235 psig, 578 degrees F) and was returned to normal at 0504C on 05/31/84. The second ABI occurred at 1550C on 06/02/84 while unit 1 was in mode 1 (50% power, 2235 psig, 563 degrees F) and unit 2 was in mode 1 (100% power, 2235 psig, 578 degrees F) and was returned to service at 1605C on 06/02/84. The third ABI occurred at 2253C on 06/04/84 while unit 1 was in mode 3 (0% power, 2235 psig, 520 degrees F) and unit 2 was in mode 1 (100% power, 2235 psig, 578 degrees F) and was returned to service at 2307C on 06/04/84. All associated equipment and personnel responded and performed as expected during the ABI. The operator responded to the alarm (RM-90-103) and determined that the alarm was in fact an inadvertent spike and not a high radiation level. Personnel were notified to check the monitor, reset the alarm in the control room, and repair or reset the monitor.

In all three incidents, the radiation level in and around the spent fuel pit (SFP) was near the setpoint of the radiation monitor. The Geiger-Mueller (G-M) tube used in the radiation monitor does not give a smooth constant output. Occasionally, the G-M tube will fluctuate enough naturally to set off the alarm. The movement of contaminated material in the SFP area could also have set off the alarm. The SFP area was cleaned up, and the background was lowered to the 1-2 millirem/hr range.

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

Previous occurrences - SQRO-50-327/84002, SQRO-50-327/84010, SQRO-50-327/84015, and SQRO-50-327/84029.

TENNESSEE VALLEY AUTHORITY

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

June 26, 1984

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

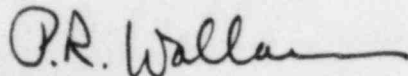
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO.
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT
SQRO-50-327/84037

The enclosed licensee event report provides details concerning the auxiliary building ventilation isolation caused by an inadvertent spike on the radiation monitor. 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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NRC Inspector, NUC PR, Sequoyah

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