

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 3
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TITLE (4)  
Failure to Comply with Appendix R of 10 CFR 50

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)						
1	0	18	8	4	0	6	3	0	0	1	1	0	1	8	4	Sequoyah, Unit 2	0 5 0 0 0 3 2 8
																	0 5 0 0 0

OPERATING MODE (E) 0	POWER LEVEL (10) 1 0 0	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																						
		20.402(b)	20.405(a)(1)(i)	20.405(a)(1)(ii)	20.405(a)(1)(iii)	20.405(a)(1)(iv)	20.405(a)(1)(v)	20.405(a)(1)(vi)	20.406(c)	50.36(c)(1)	50.36(c)(2)	50.73(a)(2)(i)	50.73(a)(2)(ii)	50.73(a)(2)(iii)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vii)	50.73(a)(2)(viii)(A)	50.73(a)(2)(viii)(B)	50.73(a)(2)(ix)	73.71(b)	73.71(c)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)	
													X											

LICENSEE CONTACT FOR THIS LER (12)										TELEPHONE NUMBER			
NAME Michael R. Cooper, Compliance Section Engineer										AREA CODE 6115		81710-161614	

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
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO				

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

Following additional inspections of various safety-related systems at Sequoyah, interactions were found that were not in compliance with Appendix R of 10 CFR 50. Fire watches had already been established in this area due to commitments already made by TVA dealing with Appendix R. This fire watch satisfies requirements per action statement of Technical Specification 3.7.12 and will remain in effect till full compliance with Appendix R can be achieved. This report is required per license condition 2.H, 10 CFR 50.73 (a)(2)(ii) and special report requirements of Technical Specification 3.7.12.

There was no effect on public health or safety.

Previous occurrences - five - SQRO-50-327/84046, SQRO-50-327/84049, SQRO 50-327/84051, SQRO-50-327/84057, and SQRO-50-327/84059.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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

Inspections at Sequoyah Nuclear Plant have identified the following items of non-compliance with Appendix R of 10 CFR 50. These inspections are part of an ongoing project to ensure compliance with Appendix R.

1. The listed train 'A' cables interact with unit 2 2B 480 volt transformer room (train 'B').

Train 'A' cables: 2V2233, 2V2232A (2-FCV-62-98), 2V2070A, 2V2071A (2-LCV-62-135), 2V2326A, 2V2327A (2-FCV-63-7), 2V2680A, 2V2681A (2-FCV-63-26), 2V2695A, 2V2696A (2-FCV-63-39), 2V2292A, 2V2993A (2-FCV-70-143).

2. The listed train 'A' cables interact with unit 2 train 'B' MOV board room.

Train 'A' cables: 2PL3002A (CCP Room Cooler A-A), 2PL4729A (CCS Pump 2A-A), 2PL6145A, 2PL6148A, 2PL6149A (CCP 2A-A Auxiliary Oil Pump), 2V2235A (2-FCV-62-98), 2V2073A (2-LCV-62-135), 2V2329 (2-FCV-63-7), 2V2683A (2-FCV-63-26), 2V2698A (2-FCV-63-39), 2V2787A (2-FCV-74-1), 2V2295A (2-FCV-70-143), 2V2423A, 2V2424A, 2V2425A (2-FCV-67-146).

3. The listed train 'B' cables interact with train 'A' 2A 480 volt transformer room.

Train 'B' cables: 2V2240B, 2V2241B (2-FCV-62-99), 2V2100B, 2V2101B (2-LCV-62-136), 2V2320B (2-FCV-63-6), 2V4934B (2-FCV-63-24), 2V2840B, 2V2842B (2-FCV-74-2), 2V4371B (2-FCV-62-55), 2PM-132 (2-FCV-62-56).

4. Interactions exist for each channel such that all four RCS temperature indicators could be made inoperable due to one fire. Cables involved are:

Channel I: 2PM591I (T-68-1), 2PM778I (T-68-18), 2PM686I (T-68-24), 2PM871I (T-68-41).

Channel II: 2PM595II (T-68-43), 2PM784II (T-68-60), 2PM691III (T-68-65), 2PM876II (T-68-63).

5. Unit 1 RCS pressure instrumentation loop P-68-66 (cables 1PM481II, 1PV135II) interacts with pressure instrumentation loop P-68-69 (cables 1PM480I, 1PV320J) at three locations in auxiliary building (elevation 690 U-W/A3-A4, elevation 714 Q-W/A2-A4, elevation 714 Q-R/A4-A11). In addition to cables, the pressure transmitting equipment is located less than 20-feet from each other at elevation 690 at A3-A4/V line.

6. Secondary side pressure control cables for all three channels of pressure indication for each steam generator interact with less than 20-foot separation. Also cables for 2-L-381 pressure indicator are involved. Cables involved are:

SG-1: 2PM1335I (PI-1-2A), 2PM1347II (PI-1-2B), 2PM1360IV (PI-1-5).  
 SG-2: 2PM1474I (PI-1-9A), 2PM1480II (PI-1-9B), 2PM1490LII (PI-1-12).  
 SG-3: 2PM1595I (PI-1-20A), 2PM1607II (PI-1-20B), 2PM1613III (PI-1-23).  
 SG-4: 2PM1715I (PI-1-27A), 2PM1723II (PI-1-27B), 2PM1729IV (PI-1-30).  
 2-L-381: 2PM1340J, 2PM1475J, 2PM1601J, 2PM1717J.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
					0   3	OF 0   3

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

7. Interaction exists in the 480 volt reactor MOV board rooms between 1A-A and 2A-A 480 volt reactor MOV board room air handling units (cables 1PL2958A and 2PL2958A) and numerous cables for the 1B-B and 2B-B 480 volt reactor MOV board room air handling units and compressors.
8. The following interactions exist for 480 volt reactor MOV board rooms at elevation 734 in the auxiliary building.
  - a. Cable 1PL2958A (AHU 1A-A) with numerous cables for 1B-B AHU/compressor.
  - b. Cable 1PL2947V (1B-B compressor) crosses R line wall and interacts with 'A' train 6.9 KV shutdown boards.
  - c. Cable 2PL4947B (2B-B compressor) interacts with numerous cables for the 2A-A air handling unit/compressors. Also cable 2PL2958A crosses R line into 'B' train 6.9 KV shutdown board room.
9. At elevation 749 in the 2B 480 volt MOV board room in the auxiliary building, cables 2PL2945A, 2960A, 2961A, 3503A, 3504A, 3505A (2A board room AHU/compressors) interact with cable 2PL2947B (2B compressor).
10. At elevation 749 in the auxiliary building (2A 480 volt transformer room, 2A 480 volt HVAC equipment room) cables 2PL2966B, 2PL3514B, 2PL3516B pass through two rooms listed above and interact with transformers/HVAC equipment on train 2A.
11. A fire in auxiliary building at elevation 690 A11-A15/Q-S would result in loss of automatic level control for the turbine-driven auxiliary feedwater pump and the wide range level indication cables (2PM1233K, 2PM1244K, 2PM1226K) required for manual operation of level control valve.
12. At elevation 669 in auxiliary building at A11-A12/S-T the DC control power for the turbine-driven auxiliary feedwater pump cable 2SG220A interacts with the 'A' and 'B' motor-driven auxiliary pump on elevation above, due to stairway opening.

The action statement for Technical Specification 3.7.12 was satisfied by utilizing fire watches in the affected areas that were established by other Appendix R commitments. This action included the establishment of a roving fire watch in areas with fire detection and a dedicated fire watch in areas without fire detection.

An implementation schedule for corrective actions will be submitted to the NRC by January 1, 1985. The fire watches established will remain in effect until full compliance with the requirements of Appendix R can be achieved.

TENNESSEE VALLEY AUTHORITY

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

November 1, 1984

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

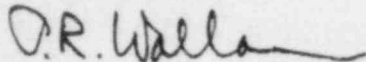
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO.  
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT  
SQRO-50-327/84063

The enclosed licensee event report, Special Report, and Facility Operating License Required Report per Section 2.H provide details concerning items of noncompliance with Appendix R of 10 CFR 50. This event is reported in accordance with 10 CFR 50.73, paragraph (a)(2)(ii).

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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