

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 4

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)
0	9	27	84	057	001	0	1	084	Sequoyah, Unit 2	0 5 0 0 0 3 2 8
										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(a)(1)(i)		20.406(a)(1)(ii)		20.406(a)(1)(iii)		20.406(a)(1)(iv)		20.406(a)(1)(v)		20.406(c)		50.36(c)(1)		50.36(c)(2)		50.73(a)(2)(iv)		50.73(a)(2)(v)		50.73(a)(2)(vi)		50.73(a)(2)(vii)(A)		50.73(a)(2)(vii)(B)		50.73(a)(2)(ix)		73.71(b)		73.71(c)		XX OTHER (Specify in Abstract below and in Text, NRC Form 366A)	

LICENSEE CONTACT FOR THIS LER (12)
NAME: Michael R. Cooper, Compliance Section Engineer
TELEPHONE NUMBER: 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 NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS

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

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 - three - SQRO-50-327/84046, SQRO-50-327/84049, and SQRO-50-327/84051.

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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)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
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Sequoyah, Unit 1	0 5 0 0 0 3 2 7 8 4	—	0 5 7	—	0 0 0	2	OF 0 4

TEXT (If more space is required, use additional NRC Form 368A's) (17)

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

1. Power and local control cables for 1A, 1B, 2A, and 2B RHR pump room coolers interact such that all four (4) could be lost in a single fire. Cables involved:

1PP3031A, 1PP3033A, 1PP3041B, 1PP3043B, 2PP3031A, 2PP3033A, 2PP3041B, and 2PP3043B.
2. The A-A and B-B main control room air handling units and compressors have cables which interact such that a fire could take out both "A" and "B" train. Cables involved are:

1PL4500A, 1PL4501A, 1PL4520A, 1PL4527A, 1PL4510B, 1PL4511B, 1PL4512B, 1PL4540B, 1PL4547B, 1PL4512B, 1PL4501A, 1PL4502A, 1PL4520A, and 1PL4527A.
3. Cables which supply all four RCS loop temperature indications interact at one location on elevation 714 in the auxiliary building. Cables involved are:

1PV330K and 1PV320J.
4. Interactions exist between "B" train 6900 volt shutdown boards and cables for various "A" train valves. Valves and cables involved are:

2V1963A (2-FCV-3-136B), 2V1953A (2-FCV-3-136A), 2V2953A (2-FCV-3-116B), 2V2952A (2-FCV-3-116B), 2V2931A (2-FCV-3-116A), 2V2200A (2-FCV-67-125), 2V2201A (2-FCV-67-125), 2V2203A (2-FCV-3-125), 2V2211A (2-FCV-67-126), 2V2422A (2-FCV-67-146), 2V2423A (2-FCV-67-146), 2V2425A (2-FCV-67-146), 2V2968A (2-FCV-67-223), 2V2969A (2-FCV-67-223), 2V1983A (2-FCV-67-81), and 1V2425A (1-FCV-67-146).
5. Interactions exists between "A" train 480 volt shutdown boards and cables for various "B" train valves and "B" train ERCW pump cables. Cables involved are:

2V2941B (2-FCV-3-126A), 2V2961B (2-FCV-3-126B), 2V2083B (2-FCV-3-179A), 2V2131B (2-FCV-3-179B), 2V2807B (0-FCV-67-152), 2V2791B (0-FCV-67-152), 2V2794B (0-FCV-67-152), 2V2160B (2-FCV-67-123), 2V2792B (0-FCV-67-152), 2V2173B (2-FCV-67-124), 2V2160B (2-FCV-67-123), 2V2431B (2-FCV-67-147), 2V2170B (2-FCV-67-124), 2V2161B (2-FCV-67-123), 2V2429B (2-FCV-67-147), 2V2003B (2-FCV-67-82), 2PP704B, 2PP706B, (ERCW Pump M-B), 2PP716B, 2PP718B (ERCW Pump P-B), 1PP704B, 1PP706B (ERCW Pump L-B), 1PP716B, 1PP718B (ERCW Pump N-B).

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TEXT (If more space is required, use additional NRC Form 365A's) (17)

6. Interactions exist between "B" train 480 volt shutdown boards and cables for various "A" train valves and "A" train components. The cables and components are listed below.

1V2951A (1-FCV-3-116B), 1V1953A (1-FCV-3-136A), 1V1960A (1-FCV-3-136B), 1V1983A (1-FCV-67-81), 1V2200A (1-FCV-67-125), 1V2211A (1-FCV-67-126), 1V2423A (1-FCV-67-146), 1V2431A (1-FCV-67-147), 1V2971A (1-FCV-67-223), 1V641A (1-FCV-67-424), 2V2971A (2-FCV-67-223), 2PLW227A (2-FCV-67-492), 1V2792A (0-FCV-67-151), 1PP679A (ERCW Pump J-A), 1V681A (ERCW Pump K-A), 1V691A (ERCW Pump R-A), 1V691A (ERCW Pump Q-A), 1PLW203A (A, ERCW Traveling Water Screen), 2PLW211A (D, ERCW Traveling Water Screen).

7. Interactions exist between train "A" 6900 volt shutdown boards and train "B" cables for valves and components. Involved cables are:

1V2941B (1-FCV-3-126A), 1V2961B (1-FCV-3-126B), 1V2081B (1-FCV-3-179A), 1V2130B (1-FCV-3-179B), 1V2003B (1-FCV-67-82), 1V2163B (1-FCV-67-123), 1V2173B (1-FCV-67-124), 2V2428B (2-FCV-67-147), 2PLW233B (2-FCV-67-489), 1V3350B (1-FCV-67-478), 1PLW233B (1-FCV-67-489), 1PLW190B (ERCW Screen Wash Pump B), 2PLW180B (ERCW Screen Wash Pump C), 1PLW211B (ERCW Traveling Screen B), 2PLW203B (ERCW Traveling Screen C).

8. Unit 1 - In the auxiliary building on elevation 714 at A6Q and in the auxiliary control room on elevation 734 at RA6 the control cables for containment isolation valves, for normal letdown path, interact and fail to meet the 20-foot separation criteria required by Appendix R. Cables involved are:

1V4423A, 1V4435A, 1V4473A, 1V4488A, and 1V4503A.

9. Unit 1 - A fire at location A3 to A5/r to t on elevation 690 in auxiliary building could take out the following cables due to interactions with less than 20-foot separation.

(1) Train A: Handswitch for 1A-A AFW pump (cable 1PP652A) and 6900 volt to 1A-A AFW pump (cable 1PP650A).

(2) Train B: Handswitch for 1B-B AFW pump (cable 1PP664B) and 6900 volt to 1B-B AFW pump and 1B-B AFW pump and motor.

(3) Steam driven AFW pump cables:

1SG461 and 1SG481 (LCV status light), 1PVI05A (Vital AC supply to 1-L-381), 1SG240A (Vital AC to 669 transfer switch, normal), 1M811A (1-PS-3-138A), 1M1450A, 1M1452A (Steam supply transfer, 1V2623A, 1V264A (1-FCV-1-17), 1PVI85B (Vital AC to 1-L-381), and 1SG221B, 1SG241B (alternate transfer switch).

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

10. Unit 1 and unit 2 - A fire at A12-A13/r line wall could involve the following "A" train components and "B" train reactor MOV board. Train "A" Cables are:

1V2425A (1-FCV-67-146), 2V1955A (2-FCV-3-136A), 2V1965A (2-FCV-3-136B),
2V1985A (2-FCV-67-81), 2V2200A, 2V2201A, 2V2203A (2-FCV-67-125),
2V2211A (2-FCV-67-126), 2V2422A, 2V2423A, 2V2425A (2-FCV-67-146),
2V2931A (2-FCV-3-116A), 2V2951A, 2V2953A (2-FCV-3-116B), 2V2968A,
2V2969A (2-FCV-67-223).

Train "B" cables are reactor MOV board 2B2-B and associated cable trays.

11. Unit 1 - A fire at location A3 to A10/Q to U on elevation 714 in the auxiliary building could involve cables for both motor driven and turbine driven auxiliary feedwater pumps along with their associated level control valves. (Listed below are the TDAFWP cables involved.)

1V3250A, 1V3251A, 1V3253A (1-FCV-1-15), 1M1452A, 1V3240A, 1V3243A, 1V3241A,
1M1450A, 1M1451A (1-FCV-1-16), 1V2624A, 1V2620A, 1V2621A, 1V2623A (1-FCV-1-17),
1V2633B, 1V2634B, 1V2635B (1-FCV-1-18), 1SG480, 1SG481, 1SG461, 1SG250S,
1SG251S, 1SG252S, 1SG229S (control cables, TDAFWP).

The action statement for Technical Specification 3.7.12 was satisfied by utilizing firewatches 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.

Corrective Actions

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

October 10, 1984

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

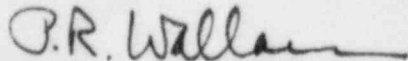
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO.
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT
SQRO-50-327/84057

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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