

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Sequoyah, Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 3 2 8	PAGE (3) 1 OF 0 2
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TITLE (4)
Bus Undervoltage Alarm on Reactor Coolant Pump #2

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	19	8	4	0	0	6	1			0 5 0 0 0
											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) 0 7 1 0	20.402(b)			20.405(c)			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)			XX 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)(ix)						

LICENSEE CONTACT FOR THIS LER (12)									
NAME Glenn Duggin, Compliance Section Engineer							TELEPHONE 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
X	E A	Q Q 6 2	A 6 1 1	No						

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

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

The bus undervoltage timing relay for reactor coolant pump (RCP) number two was discovered failed after the undervoltage alarm was investigated. Technical specifications require the undervoltage bistable to be tripped within one hour, but it was not. The "motherhood clause" was entered one hour after the relay failed. The bistable was tripped 50 minutes after the "motherhood clause" was entered. The "motherhood clause" was exited and the unit did not have to be shut down due to the failed relay. The bus was not actually in an undervoltage condition during this event.

There was no effect upon public health and safety, and no plant safety margins were exceeded.

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PDR ADOCK 05000328
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

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

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

The relay failure occurred at 0250C on 05/19/84 while unit 2 was in mode 1 (70% power, 2235 psig, 570 degrees F), and its bistable was tripped at 0431C on 05/19/84. All associated equipment and personnel performed and responded as expected to the undervoltage annunciator alarm. The operator determined that the alarm was in fact a failed component and not an undervoltage condition. The operator requested personnel to trip the bistable as required by the action statement, but the appropriate personnel were normally off shift at this time of day and had to be called in to the plant. Written instructions did not exist at this time to correctly trip the bistables. When the appropriate personnel (DPSO) arrived at the plant, they tripped the bistable and commenced troubleshooting the undervoltage alarm. Investigation revealed a failed timing relay. The relay was repaired, tested, and calibrated per plant instructions.

Power Systems Operations (DPSO) personnel have revised their plant instruction to provide Operations instructions on how to trip the bistable. This will prevent the necessity of calling DPSO personnel into the plant when they are off shift and causing a delay that violates the time requirements of the limiting condition for operation (LCO).

There was no effect on public health or safety, and no plant safety margins were exceeded. No undervoltage or loss of power condition existed during this event. Engineered safety features automatic logic would have functioned as required.

Previous occurrences - none.

TENNESSEE VALLEY AUTHORITY

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

June 13, 1984

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

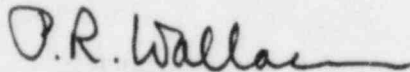
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 2 - DOCKET NO.
50-328 - FACILITY OPERATING LICENSE DPR-79 - REPORTABLE OCCURRENCE REPORT
SQRO-50-328/84007

The enclosed licensee event report provides details concerning the failure of the bus undervoltage timing relay for reactor coolant pump number two. This event is reported in accordance with 10 CFR 50.73, paragraph a.2.i.

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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