

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Sequoyai, Unit 1 DOCKET NUMBER (2) 0 5 0 0 0 3 2 7 1 OF 0 2

TITLE (4) Reactor Coolant System Pressure Channel Fails to Satisfy Requirements

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	7	2	5	8	4	8	4	0	4	8	0	5	0	0	0
0	7	2	5	8	4	8	4	0	0	0	8	2	4	8	4

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

OPERATING MODE (8)	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 11010	20.406(a)(1)(i)	50.38(e)(1)	50.73(a)(2)(v)	73.71(e)
	20.406(a)(1)(ii)	50.38(e)(2)	50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 356A)
	20.406(a)(1)(iii)	XX 50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
	20.406(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(viii)(B)	
	20.406(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME: Glenn E. Duggin, Compliance Section Engineer TELEPHONE NUMBER: 615 870-6146

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRPDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO (XX)

EXPECTED SUBMISSION DATE (15)

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

During a review of instrumentation drawings, it was discovered that a reactor coolant coolant system (RCS) pressure channel did not presently exist in the field. Only one pressure channel, scaled 0-3000 psig, was installed while two channels are required. Another pressure channel, scaled 0-600 psig, was installed and operable. This 0-600 psig channel was rescaled to 0-3000 psig and placed in service to meet the two channel requirement. The 0-600 psig indicator is not required.

A design change had been made the last refueling outage which moved the required channels. The existing channel indicator and a recorder were considered to fill the two channel requirement. After investigation, it was determined that the indicator and recorder were fed from the same transmitter and one indicator was scaled wrong, thus not providing two independent wide range indications. The rescaled channel will provide redundant pressure indication until the other indicator can be rewired.

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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 8 4 - 0 4 8 - 0 0 0 2	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			

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

During a review of instrumentation drawings, it was discovered that a reactor coolant system (RCS) pressure channel did not presently exist in the field. Only one pressure channel (PI-68-69), scaled 0-3000 psig, was installed while two channels (indicators) are required. This discrepancy was discovered at 1400C on 07/25/84 while unit 1 was in mode 1 (100% power, 2235 psig, 578 degrees F) and a second channel was placed in service at 1600C on 07/26/84. The limiting condition of operation (LCO) was met after the discovery that the channel was missing.

During the last refueling outage, which was over on 04/17/84, Engineering Change Notice (ECN) L6055 was implemented. This ECN added a fourth wide range pressure transmitter to the RCS by relocating the existing indicators and reassigning their functions.

PT-68-69 was a post accident monitoring (PAM) channel I indicator (0-3000 psig) and PT-68-66 was PAM channel II recorder (0-3000 psig) before the ECN was implemented. The PTs were moved outside containment to make them more accurate for Reactor Vessel Level Indication System (RVLIS) and emergency operating instruction use. The ECN changed the recorder (0-3000 psig from PT-68-69) for PAM channel I and the indicator (from PT-68-66) for PAM channel II. However, the input to the recorder was moved but the indicator (0-3000 psig) was not, and the 66 channel was left 0-600 psig. This condition allowed both 0-3000 psig pressure readings to come off the same channel (PT-68-69); therefore, the two independent channel requirement was not met. The ECN did not provide two independent wide range RCS pressure indications.

Upon discovery of this condition, the existing 0-600 psig channel (PI-68-66) was recalibrated and rescaled and substituted for the additional required 0-3000 psig channel. This rescaled channel will serve as the second channel until a new wide range channel can be wired in.

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

Previous occurrences - none.

TENNESSEE VALLEY AUTHORITY

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

August 24, 1984

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

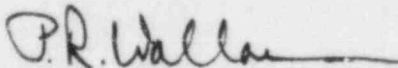
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO.  
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT  
SQRO-50-327/84048

The enclosed licensee event report provides details concerning the  
Reactor Coolant System pressure channel not meeting the wide range  
requirements for accident monitoring. This event is reported in  
accordance with with 10 CFR 50.73, paragraph a.2.i.B.

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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