

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Sequoyah, Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 3 2 7 1 OF 0 2

PAGE (3)

TITLE (4)

Mode Change While PAM Instrument Inoperable

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	4	1	5	8	4	8	4	0	2	5	0	5	0	0	0
0	4	1	5	8	4	8	4	0	2	5	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(e)		50.73(a)(2)(iv)		73.71(b)			
		20.406(a)(1)(i)		50.38(c)(1)		50.73(a)(2)(v)		73.71(c)			
		20.406(a)(1)(ii)		50.38(c)(2)		50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 365A)			
		20.406(a)(1)(iii)		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	TELEPHONE NUMBER
Michael R. Cooper, Compliance Section Engineer	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
	X				

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

At 1500C on 04/15/84, sampling of the reactor coolant system (RCS) for boron concentration was initiated. This sampling caused pressurizer level transmitter 1-LT-68-320 to become inoperable due to a modification made during the previous outage which routed the sense line from the low side tap of the instrument. This event was detected at 1715C after a change from mode 3 to mode 2 was completed. Two LCOs are involved with this event. LCO 3.3.1.1 is applicable in mode 2, and LCO 3.0.4 is not applicable. After mode 2 was reached, the bistable was not tripped at 1748C with the instrument discovered inoperable at 1715C. LCO 3.3.3.7 is for accident monitoring instrumentation and allows seven days to return the instrument operable, but 3.0.4 is applicable (i.e., no mode change with instrument inoperable). LCO 3.3.3.7 is applicable for modes 1, 2, and 3 and the instrument should have been made operable prior to mode change. The cause of this event has been attributed to the failure of the operator to realize LT-68-320 was inoperable.

8405180268 840514
PDR ADOCK 05000327
S PDR

IE22

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/85

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

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

At 1500C on 04/15/84 with unit 1 in mode 3, sampling of the RCS began during startup using procedure RTI-3, diluting to criticality. The sample is removed from the pressurizer through a common line which also supplies the lower tap to 1-LT-68-320. During the previous refueling outage, a modification to the sampling configuration was made. This modification routed the sample line to the low side tap of 1-LT-68-320. (This modification had been performed on unit 2 and had operated with no adverse effects.) Sampling was being performed at twenty-minute intervals with the sample lines being continuously purged. At 1630C, mode 2 was achieved, and at 1715C, the operator discovered the inoperable pressurizer level transmitter, 1-LT-68-320. At 1748C, the bistable was tripped as required in the action statement of LCO 3.3.1.1. Investigation revealed that sampling had made the instrument inoperable (while in mode 3) and that a mode change was made outside the bounds of LCO 3.3.3.7 for accident monitoring instrumentation.

Listed below is a sequence of events and the related LCOs involved:

1500C - Began sampling causing 1-LT-68-320 fail low, i.e., LT-68-320 inoperable

1630C - Went to mode 2

LCO 3.3.1.1 applicable, 3.0.4 not applicable

Violated 3.3.3.7, since 3.0.4 is applicable

1715C - Operator discovery of inoperable instrument 1-LT-68-320

1748C - Bistable tripped to satisfy action statement of LCO 3.3.1.1

Corrective Action

Short-term corrective action will be to throttle the sample isolation valve during sampling. A revision to applicable procedures will require the shift engineer to be notified by the Chem Lab prior to and after samples are taken.

Long-term corrective action is to modify the sampling system to restrict flows being used for samples. The expected completion date is the next refueling outage.

There was no effect on public health and safety.

Previous occurrences - none.

TENNESSEE VALLEY AUTHORITY

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

May 14, 1984

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

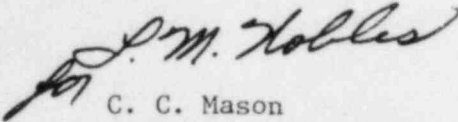
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - DOCKET NO.
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT
SQRO-50-327/84025

The enclosed licensee event report provides details concerning inoperability of pressurizer level transmitter 1-LT-68-320 during startup. This event is reported in accordance with 10 CFR 50.73, paragraph a.2.i.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



C. C. Mason
Power Plant Superintendent

Enclosure
cc (Enclosure):

James P. O'Reilly, Director
U.S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30303

Records Center
Institute of Nuclear Power Operations
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

NRC Inspector, NUC PR, Sequoyah

IE22
11