

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 2
---------------------------------------	--------------------------------------	----------------------

TITLE (4)
Containment Spray Heat Exchanger 1B 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 5	0 9	8 4	8 4	0 3 4	0 0	0 6	0 8	8 4				0 5 0 0 0		
												0 5 0 0 0		

OPERATING MODE (9) 4	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
POWER LEVEL (10) 0 1 0 0	20.402(b)	20.406(e)	90.73(a)(2)(iv)	73.71(b)						
	20.406(a)(1)(i)	90.38(a)(1)	90.73(a)(2)(v)	73.71(c)						
	20.406(a)(1)(ii)	90.38(a)(2)	90.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 388A)						
	20.406(a)(1)(iii)	XX 90.73(a)(2)(i)	90.73(a)(2)(viii)(A)							
	20.406(a)(1)(iv)	90.73(a)(2)(ii)	90.73(a)(2)(viii)(B)							
20.406(a)(1)(v)	90.73(a)(2)(iii)	90.73(a)(2)(ix)								

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

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)

On May 9, 1984 with unit 1 in mode 4 operation with RCS temperature at 325 degrees F, SI-566, "ERCW Flow Verification Test", was in progress. The unit operator was requested to open 1-FCV-67-123 and 1-FCV-67-124 (inlet and outlet ERCW MOVs for 1B containment spray heat exchanger). The operator observed no flow indication on 1-FI-67-1 or a decrease in 'B' ERCW header pressure as would be expected. Two assistant unit operators were dispatched to throttle valve 1-67-537B closed. The valve was immediately throttled to proper position per SI-682. Investigation revealed that the valve was apparently closed since April 24, 1984, a time period which included mode changes from 5 to 4 at 2040C on 05/04/84, mode 4 to mode 3 at 0526C on 05/05/84, and mode 3 to mode 4 at 0010C on 05/09/84.

These three mode changes were made with 1-67-532B apparently closed. Technical specification 3.6.2 requires two independent containment spray systems operable during mode 4 operation.

8406120236 840608
PDR ADOCK 05000327
S PDR

IE22

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

Probable Cause of Valve Misalignment and Sequence of Events

On 04/24/84, with unit 1 in mode 5, a decision was made to layup unit 1 containment spray heat exchangers on the shell side with demineralized water and chemicals until SI-566 was performed. One (1) assistant unit operator (AUO) and one (1) auxiliary operator were assigned the task of performing the layup of the heat exchangers. At 0615C on 04/24/84, the inlet and outlet flow control valves were opened for one hour to flush the shell side of the heat exchanger. After the flush, the FCV's valves were reclosed and draining of the heat exchanger commenced per SOI-67. After draining for a period of time, it was suspected that the outlet valve 1-FCV-67-124 was leaking through. The AUO closed 1-67-537B to stop the leakage to the heat exchanger.

On 04/25/84, the scheduled date for SI-566 was changed to the early part of May. At this time, a decision was made to stop the layup process. The same AUO was instructed to place the heat exchanger in normal alignment.

An investigation of the event revealed that the AUO failed to notify the unit operator (UO) to place the closing of 1-67-537B in the configuration log (OSLA-58) as being deviated from its normal position. The AUO also failed to complete SOI-67.1 valve checklist which required double verification for placing the valve in the normal position.

SI-33.1 had been performed on 04/12/84 which verified 1-67-537B in proper position and was scheduled to be performed again the week the event occurred. This SI would have identified this condition if the ERCW flow verification test had not been performed.

Technical specification 3.6.2 requires two independent containment spray systems operable during mode 4 operation. Unit 1 changed from mode 5 to mode 4 at 2040C on 05/04/84, from mode 4 to 3 at 0526C on 05/05/84. The unit entered mode 4 again at 0010 on 05/09/84 due to a pressurizer safety valve leak. These three mode changes were made with 1-67-537B apparently still closed.

Corrective action taken by the plant was to properly position the throttle valve per SI-682 upon detection of its mispositioning. All Operations personnel will be sent a letter identifying the event and a disciplinary letter will be placed in the AUO's file.

TENNESSEE VALLEY AUTHORITY

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

June 8, 1984

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

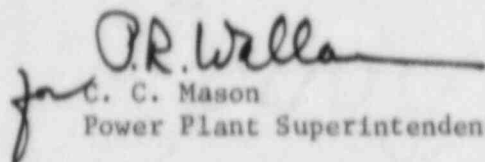
Gentlemen:

TENNESSEE VALLEY AUTHORITY - SEQUOYAH NUCLEAR PLANT UNIT 1 - JOCKET NO.
50-327 - FACILITY OPERATING LICENSE DPR-77 - REPORTABLE OCCURRENCE REPORT
SQRO-50-327/84034

The enclosed licensee event report provides details concerning the inoperability of a containment spray heat exchanger. This event is reported in accordance with 10 CFR 50.73, paragraph 50.73.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

LE22
1/1