

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Browns Ferry - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 2 5 9	PAGE (3) 1 OF 0 2
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TITLE (4)
Manufacturer's Recall of Defective Squib Cartridges

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	8	1	5	8	4	8	4	0	3	3	0	0	0	9	1	1	8	4				0 5 0 0 0
												0 5 0 0 0										

OPERATING MODE (9) N

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

20.402(b)	20.406(c)	<input checked="" type="checkbox"/>	60.73(a)(2)(iv)	73.71(b)
20.406(a)(1)(i)	60.36(a)(1)		60.73(a)(2)(v)	73.71(e)
20.406(a)(1)(ii)	60.36(a)(2)		60.73(a)(2)(vii)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)
20.406(a)(1)(iii)	60.73(a)(2)(i)		60.73(a)(2)(viii)(A)	Part 21
20.406(a)(1)(iv)	60.73(a)(2)(ii)		60.73(a)(2)(viii)(B)	
20.406(a)(1)(v)	60.73(a)(2)(iii)		60.73(a)(2)(ix)	

LICENSEE CONTACT FOR THIS LER (12)

NAME David L. Smith	TELEPHONE NUMBER
	AREA CODE: 2 0 5 7 2 9 - 0 8 6 5

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										
B	I	G	-	-	-	X	9	9	9	Y									

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)

The onsite General Electric Representative at Browns Ferry Nuclear Plant notified plant staff that the installed squib cartridges on the traversing incore probe (TIP) shear valves were possibly defective. TIP testing was in progress at the time and was terminated. TIPs were pulled back into their shields and the ball valves closed. The defective squib cartridges were installed only in unit 1. New squib cartridges were received and installed which restored full shear valve operability. No further corrective action is necessary.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Browns Ferry - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 2 5 9 8 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 4	0 3 3	0 0	0 2	OF	0 2

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

During normal operation, unit 1 was operating at 100 percent power, unit 2 at 65 percent power, and unit 3 was in a refueling outage.

The onsite General Electric Representative notified plant personnel of the possibility that a "batch" of squib cartridges were defective per vendor (Holex Manufacturer) sample testing. Defective squib cartridges would render the TIP shear valves inoperable. Unit 1 was the only unit affected. TIP (IG) testing was in progress and was immediately terminated, the TIPs withdrawn, and the isolation ball valves (ISV) closed. New squib cartridges were subsequently installed placing the TIP system back to fully operable. The defective cartridges were subsequently properly disposed of. No further corrective action is necessary.

If a loss of coolant accident had occurred with TIP testing in progress, the ensuing high drywell (NH) pressure would have caused the TIP probes to automatically withdraw into their shields with the ball valves isolating the tubes. If this feature had failed along with TIP dry tube ruptures, the possibility existed that the squib cartridges would have failed causing the shear valves to be unable to isolate the five TIP .3-inch diameter drywell penetrations. This would have resulted in an increased leakage outside containment that would place additional burdens on the standby gas treatment system (VA).

This event is reportable under 10 CFR 50, Part 21. The item part number is 7287-1.

Previous Similar Events - None

Responsible Section - N/A

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

Browns Ferry Nuclear Plant

P. O. Box 2000

Decatur, Alabama 35602

SEP 11 1984

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

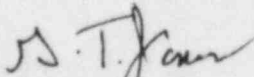
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 - DOCKET
NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE OCCURRENCE
REPORT BFRO-50-259/84033

The enclosed report provides details that concern the manufacturer's recall of defective squib cartridges. This report is submitted in accordance with 10 CFR 50.73 (a)(2)(v). This occurrence has been evaluated for reportability under 10 CFR 21 and is reportable.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



G. T. Jones
Plant Manager
Browns Ferry Nuclear Plant

Enclosure

cc (Enclosure):

Regional Administrator
U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
101 Marietta Street, Suite 2900
Atlanta, Georgia 30303

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, Georgia 30339

NRC Resident Inspector, BFN

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