

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Browns Ferry - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 2 5 1 9	PAGE (3) 1 OF 0 2
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TITLE (4)

Status of Fuse Identification Program

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)
									Browns Ferry - Unit 2		0 5 0 0 0 2 6 0
0 9	2 4	8 5	8 5	0 5 2	0 0 0	1 1	4 8	6	Browns Ferry - Unit 3		0 5 0 0 0 2 9 6

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

OPERATING MODE (9) N	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)(vi)	<input checked="" type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 365A)
	20.405(a)(1)(iii)	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)	
POWER LEVEL (10) 0 1 0 1 0	20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	Information Only

LICENSEE CONTACT FOR THIS LER (12)

NAME R. C. Steele, Compliance Engineer	TELEPHONE NUMBER AREA CODE 2 0 5 7 2 9 - 3 5 8 3
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COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH DAY YEAR

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

TVA has previously committed to establish a fuse identification program. This program is well underway, and this report is provided to describe the program and identify the current status as well as describe discrepancies that have been encountered in the field during implementation of the fuse identification and labeling program.

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PDR ADOCK 05000259
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 8/31/88

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

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Units 1 and 2 are in refueling outages, and unit 3 is currently in an extended maintenance outage.

In response to inspection report 260/83-27-08, TVA committed to establish a fuse identification program for all plant equipment (600 volt fuses or less). This program is well underway; and this report is provided to describe the program, the type of discrepancies which have been identified, and to update our current status in executing the program.

The fuse labeling program at Browns Ferry identifies fuses with an adhesive label in close proximity of the fuse to be identified. This label contains a unique identifier (UNID) indicating the unit, the function code, the number of fuses in the set, the TVA system number, the load, and the manufacturer model number. The fuse labeling program is approximately 83 percent complete with approximately 10,500 fuses out of 12,558 fuse sets labeled. The percent completion is as follows: common - 67 percent complete, unit 1 - 65 percent complete, unit 2 - 99 percent complete, and unit 3 - 100 percent complete.

During the fuse labeling process, approximately 10 percent of the fuses labeled have been found to have discrepancies typically involving variations in fuse amp rating, fuse type and class, and fuse block type. Approximately one half of the discrepancies are counted against an internal upgrade program in switching from Bussman type MIC fuses to Shawmut ATM fuse types. The Shawmut fuse substitution is being done to improve the quality of the fuse application.

The cause of the remaining discrepancies is basically attributed to the lack of a comprehensive fuse control program. Also, a complete inventory of all fuse types had not been maintained in the past which resulted in replacement fuses not matching original installations. A fuse control procedure is now established to prevent recurrence of this problem. This procedure controls the installation and substitution of fuses as well as ensuring an adequate inventory of fuse types exist. The inspection program discussed above will be completed for unit 2 and common items prior to unit 2 startup. The unit 1 inspection will be complete prior to unit 1 startup.

Cases involving discrepancies between the installed and as-designed fuse blocks are being reviewed by TVA design since physical modifications would be necessary to remedy the differences. To date, no discrepancies have been discovered that would have prevented the fuse arrangement from performing their intended function. Regarding the fuse blocks, the design study recommended that some fuses be changed as time permits, several fuses be verified, and some drawing discrepancies be corrected. The recommendations listed in the study will also be implemented, and fuse discrepancies will be corrected for common and unit 2 before unit 2 is placed in service. For units 1 and 3, the study recommendations will be implemented, and fuse discrepancies will be corrected before each respective unit is placed in service.

Responsible Plant Section - N/A

Previous Events - None

TENNESSEE VALLEY AUTHORITY

Browns Ferry Nuclear Plant
P.O. Box 2000
Decatur, Alabama 35602

January 14, 1986

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

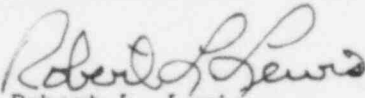
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 - DOCKET
NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE OCCURRENCE
REPORT BFRO-50-259/85052

The enclosed report provides details concerning the status of the fuse
identification program. This report is submitted for information only.

Very truly yours,

TENNESSEE VALLEY AUTHORITY



Robert L. Lewis
Plant Manager
Browns Ferry Nuclear Plant

Enclosures

cc (Enclosures):

Regional Administrator
U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Region II
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Atlanta, Georgia 30303

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

NRC Resident Inspector, Browns Ferry Nuclear Plant

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