

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)

Browns Ferry - Unit 1

DOCKET NUMBER (2)

0 5 0 0 0 2 5 9 1 OF 0 2

PAGE (3)

TITLE (4)

Open Fire Barrier Penetration

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				
1	1	2	2	8	5	8	5	0	5	5	0 0 1 2 2 0 8 5	Browns Ferry - Unit 3	0 5 0 0 0 2 9 6	
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)											
N			20.402(b)			20.405(c)			50.73(a)(2)(iv)			73.71(b)		
POWER LEVEL (10)			20.405(a)(1)(i)			50.38(c)(1)			50.73(a)(2)(v)			73.71(c)		
01010			20.405(a)(1)(ii)			50.38(c)(2)			50.73(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
			20.405(a)(1)(iii)			X 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)					
			20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(ix)					

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
D. L. Smith, Compliance Engineer	AREA CODE 2 0 5 7 2 9 - 3 8 6 5

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)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
	X				

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

During maintenance activities, a spare sleeve penetration in a fire barrier was found to be unsealed. The penetration was a two-inch horizontal sleeve through a concrete wall which separates a computer room from the unit 1 battery board room. The penetration was concealed above a suspended ceiling which hindered earlier detection. The penetration has been sealed.

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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) Browns Ferry - Unit 1	DOCKET NUMBER (2) 0500025985-055-01002	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		

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

Units 1 and 2 were in refueling outages, and unit 3 was in an extended maintenance outage. This event affects the fire protection for battery board room 1.

During maintenance activities on November 22, 1985, an electrician discovered that an open penetration (PEN) existed in a fire barrier. The open penetration is an unused sleeve of approximately two-inch inside diameter located approximately nine feet and six inches above the floor and one foot and four inches above the ceiling of the future process computer (CPU) room and connecting into the unit 1 battery (BTRY) room. The penetration was sealed by 1710 on the same day of discovery.

Installed fire protection in the unit 1 battery room is automatic smoke detectors (KP), a manual closed-head sprinkler system (KP) which can be actuated from the control room (NA), hose stations (KP), and portable fire extinguishers (KQ). Installed fire protection in the computer room is automatic smoke detectors, hose stations, and portable fire extinguishers.

In this case, the fire barrier penetration is of concern for protecting the unit 1 battery room from a possible fire in the computer room. The current fire load in the process computer room is negligible, and the estimated peak fire load is 5100 btu/ft.² which is equivalent to a fire severity of around four minutes. The barrier between the rooms is a 7 5/8-inch concrete block wall, considered to be 1 1/2 hour fire barrier. Considering the low fire load and the small size of the penetration, a fire in the process computer room would have been highly unlikely to spread into the battery room. The presence of smoke detection and a sprinkler system further reduces the already remote possibility of damage to equipment in the battery room. The open penetration was properly sealed and inspected. A general inspection of mechanical penetrations is in progress to determine if similar problems exist in other locations.

Responsible Plant Section - MM

Previous Similar Events - None

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

December 20, 1985

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

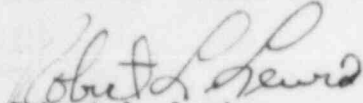
Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT (BFN) UNIT 1 -
DOCKET NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE
OCCURRENCE REPORT BFRO-50-259/85055

The enclosed report provides details concerning the open fire barrier
penetration. This report is submitted in accordance to 10 CFR 50.73
(a)(2)(i).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



Robert L. Lewis
Acting Plant Manager
Browns Ferry Nuclear Plant

Enclosures

cc (Enclosures):

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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1/1

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

December 20, 1985

U.S. Nuclear Regulatory Commission
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BCM:DLS:BDL

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Atlanta, Georgia 30339

NRC Resident Inspector, BFN

NUC PR RIMS, LP 4S 132D-C (w/10CFR21, Form BF-19, and Form BF-90)

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W. C. Thomison, Browns Ferry

This was prepared principally by David L. Smith.