NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
Browns Ferry - Units 1, 2, and 3	0 5 0 0 0 2 5 9	1 OF 0 2

TITLE (4)
Temporary Startup Test Panel Installation

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

OPERATING MODE (9)	N	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)	20.405(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)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	50.73(a)(2)(i)	50.73(a)(2)(viii)(A)	
		20.405(a)(1)(iv)	X 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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
	AREA CODE
Alan W. Gordon	2 0 5 7 2 9 - 2 5 3 7

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	

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

TVA's Office of Engineering (OE) determined that the existing configuration of the startup test instrumentation panels cannot be determined to be seismically qualified. Improper mounting of the panels and cable raceways pose a potential hazard to other main control room panels during a seismic event. The startup test panel configuration will be modified to meet seismic requirements prior to restart of each unit. Procedures for temporary installation of equipment have since been adopted which require an unreviewed safety question determination.

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

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

Unit 1 was in cold shutdown, unit 2 was in a refueling outage, and unit 3 was in cold shutdown.

As a TVA Regulatory Performance Improvement Plan (RPIP) item to resolve outstanding temporary alteration orders, plant personnel requested an Office of Engineering (OE) study of the startup test panels (PL) in the main control room (MCR). The panel installations were reviewed for seismic concerns, separation requirements, and class 1E qualification of affected circuits. On April 18, 1985, OE decided that the installation of the startup test panels could not be determined to be seismically qualified.

The subject panels were originally installed to facilitate monitoring and calibration of various plant process instruments during the original startup of each unit. The panels were subsequently retained to accommodate required startup testing following routine refueling outages and to provide special test capabilities. Because the panels were intended to be removed after initial startup, their installation was field improvised. The panels consist of plywood with a sheet metal enclosure and are fastened to a masonry wall using simple masonry anchors which are not load rated. Cables (CBL) are routed from various locations to the startup test panels using cable trays which rest unsecured on top of the MCR panels. Qualification of the startup test panels as a permanent feature was not considered until the recent examination of temporary installations.

Selected control grade process instrument connections are located on the panel. It is preferred these process instruments be available to assist general monitoring of reactor conditions during design basis events. Also, if the cable trays either fell on qualified instruments or controls or disrupted the seismic response of the MCR panel to an extent that the qualified safety instruments or controls on these panels failed, the safe shutdown capabilities of the plant could have been jeopardized.

Temporary installation proposals now must include an unreviewed safety question determination. The startup test panel installation will be modified so that they are fully qualified prior to startup of each unit. Additionally, a design change request is being processed to replace the panels with a permanent plant modification. This event is not considered Part 21 reportable.

Responsible Plant Section - N/A

Previous Events - None

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

May 14, 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-50-259/85013

The enclosed report provides details concerning temporary startup test panel installation. This report is submitted in accordance with 10 CFR 50.73 (a)(2)(ii).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

G. T. Jones
Plant Manager
Browns Ferry Nuclear Plant

Enclosures
cc (Enclosures):
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U. S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
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NRC Resident Inspector, BFN

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