

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Browns Ferry - Unit 3										DOCKET NUMBER (2) 0 5 0 0 0 2 9 16										PAGE (3) 1 OF 0 12																															
TITLE (4) Diesel Generator 3B Started Inadvertently During Special Testing																																																			
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																																	
0 6		1 6		8 4		8 4		0 0 7		0 0		0 7		1 3		8 4		DOCKET NUMBER(s) 0 5 0 0 0 0 0 0																																	
0 6		1 6		8 4		8 4		0 0 7		0 0		0 7		1 3		8 4		0 5 0 0 0 0 0 0																																	
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)																																																	
N		20.402(b)										20.406(e)										X 80.73(a)(2)(iv)										73.71(b)																			
POWER LEVEL (10)		0 0 1 0										20.408(a)(1)(i)										80.36(a)(1)										80.73(a)(2)(v)										73.71(e)									
												20.408(a)(1)(ii)										80.36(a)(2)										80.73(a)(2)(vi)										OTHER (Specify in Abstract below and in Text, NRC Form 305A)									
												20.408(a)(1)(iii)										80.73(a)(2)(i)										80.73(a)(2)(vii)(A)																			
												20.408(a)(1)(iv)										80.73(a)(2)(ii)										80.73(a)(2)(vii)(B)																			
												20.408(a)(1)(v)										80.73(a)(2)(iii)										80.73(a)(2)(ix)																			
LICENSEE CONTACT FOR THIS LER (12)																																																			
NAME Jimmy B. Walker												TELEPHONE NUMBER 2 0 5 7 2 9 - 1 0 8 6 5																																							
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																																			
CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDOS		CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDOS																																	
SUPPLEMENTAL REPORT EXPECTED (14)																																																			
X YES (If yes, complete EXPECTED SUBMISSION DATE)												NO										EXPECTED SUBMISSION DATE (15)		MONTH		DAY		YEAR																							
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ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

During performance of Special Electrical Maintenance Instruction 37 diesel generator 3B was inadvertently started. The automatic start signal was caused by shorting two terminals of an HFA relay being replaced as part of the procedure. In a second attempt to complete the procedure the diesel was again started. Definite cause of second start is unknown.

The root cause appears to be personnel error and/or procedural deficiency. The procedure has been revised to prevent accidental automatic start of the diesel during changeout of the HFA relay. Conclusions concerning the root cause and results obtained from application of the revised procedure will be addressed in a follow-up report by September 1, 1984.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Browns Ferry - Unit 3	DOCKET NUMBER (2) 0 5 0 0 0 2 9 6	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
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TEXT (If more space is required, use additional NRC Form 386A's) (17)

On June 15, 1984, unit 1 was operating at 100 percent power, unit 2 was in shutdown, and unit 3 was in a refueling outage. This event affects unit 3 only.

During performance of Special Electrical Maintenance Instruction 37, diesel generator (EK) 3B was inadvertently started. The procedure includes replacement of an HFA relay (RLY), TRB-3, and defines the sequence in which wires are to be lifted from the relay. Coil wires on terminal 13 were to be lifted first. Terminal 13 is located behind terminal 11 (part of the automatic start circuit of diesel generator 3B). During the initial attempt to lift the wires from terminal 13, electricians accidentally shorted terminals 11 and 13 through a screwdriver. This caused diesel generator 3B to automatically start. Efforts were made to insulate terminal 11. The electricians again attempted to lift the wires from terminal 13 per the procedure. Again diesel generator 3B started. The cause of the second start is unclear. The diesel automatic starts have no safety significance.

The procedure has been revised to lift wires from contact terminals 1 through 12 prior to lifting coil wires from terminals 13 and 14. This will prevent a start signal if terminals 11 and 13 are shorted. The procedure has also been revised to require diesel generator air start motors to be tagged out during relay changeout. This will prevent a diesel generator start if another start signal is generated. The circuit will be monitored during relay changeout to identify any additional start signals, and any such signals will be investigated.

At this time the root cause appears to be personnel error and/or procedural deficiency. The cause of the second diesel generator start is still under evaluation. Results of the relay changeout using the revised procedure and conclusions concerning the cause of this event will be addressed in a followup report by September 1, 1984.

Previous Similar Events - None

Responsible Plant Section - EM

TENNESSEE VALLEY AUTHORITY

CHATTANOOGA, TENNESSEE 37401

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

July 13, 1984

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

Dear Sir:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 3 - DOCKET
NO. 50-296 - FACILITY OPERATING LICENSE DPR-68 - REPORTABLE OCCURRENCE
REPORT BFRO-50-296/84007

The enclosed report provides details concerning diesel generator 3B which
started inadvertently during special testing. This report is submitted in
accordance with 10 CFR 50.73 (a)(2)(iv).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

J. R. Pittman

JR G. T. Jones
Power Plant Superintendent
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, GA 30303

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

NRC Resident Inspector, DFN

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