

## 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) 1 OF 0 2	
TITLE (4) Procedural Deficiency - Controls Necessary To Ensure the Operability of the Standby Gas Treatment System Charcoal Heaters																					
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 10									
0 6	2 8	8 5	8 5	0 2	9	0 0	0 7	2 6	Browns Ferry - Unit 3			0 5 0 0 0 2 9 16									
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 10 10		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)				X 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)				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 Pat Ebersole										TELEPHONE NUMBER AREA CODE 2 0 5 7 2 9 - 3 7 8 8											
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)

During a review of the control circuitry for the standby gas treatment system on June 28, 1985, a deficiency in the procedural controls, necessary to ensure that the charcoal heaters would remain operable following system operation, was discovered. Following system operation, the control switch to the heaters must be manually reset. The charcoal bed heaters ensure that the iodine removal capability of the beds is not reduced as a result of excessive moisture buildup during periods of time that the standby gas treatment system is not in service.

Immediate corrective action was implementation of procedural controls requiring the heater switch to be manually reset. Past operating experience has revealed that the iodine removal capability of the charcoal has not been reduced as a result of these heaters remaining deenergized. An engineering evaluation will be performed to determine the need for these charcoal heaters.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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 2 9	- 0 0 0	2	OF	0 2

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

Units 1 and 2 were in a refueling outage, and unit 3 was in an extended maintenance outage.

During a review of the control circuitry for the standby gas treatment system (SBGT) on June 28, 1985, a deficiency in the procedural controls necessary to ensure that the charcoal bed heaters operate was verified. The control switch for the charcoal heaters is an on/off with a spring return to normal position and must be manually reset following system operation. Procedural controls specifying that this switch be reset following system operation were not in place.

During operation of the SBGT system the relative humidity heaters ensure that the relative humidity of the exhaust flow is less than 70 percent. This ensures that the iodine removal capability of the charcoal beds is not reduced due to the introduction of moisture from the exhaust stream. During periods of time that the SBGT system is not in operation, small bed heaters are provided that maintain the bed temperature at approximately 125°F. This is to ensure excessive moisture buildup in beds does not occur during system inactivity.

Operating experience has revealed that the iodine removal capability of the charcoal has not been degraded as a result of this situation. Surveillance Instruction 4.7.B.2.d requires each SBGT train to be run for 10 hours each month with the relative humidity heaters on. This requirement apparently is sufficient to ensure moisture buildup in the charcoal beds does not occur.

Immediate corrective action was implementation of procedural controls requiring the heater switch to be reset following operation of the SBGT trains. An engineering evaluation will be performed to determine the need for these charcoal heaters.

Responsible Plant Section - N/A

Previous Events - None

TENNESSEE VALLEY AUTHORITY

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

July 26, 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-50-259/85029

The enclosed report provides details concerning procedural deficiency -  
controls necessary to ensure the operability of the standby gas  
treatment system charcoal heaters. This report is submitted in  
accordance with 10 CFR 50.73(a)(2)(vii).

Very truly yours,

TENNESSEE VALLEY AUTHORITY

*R. L. Lewis*  
f- R. 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