

NRC FORM 288 (12-81) 10 CFR 50						U.S. NUCLEAR REGULATORY COMMISSION LICENSEE EVENT REPORT						APPROVED BY OMB 3150-0011																																									
CONTROL BLOCK:						(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)																																															
[0][1] [A][L][B][R][F][3] [2][0][0]-[0][0][0][0][0]-[0][0]						[3][4][1][1][1][1] [4] [] [5]																																															
LICENEE CODE						LICENEE NUMBER						LICENEE TYPE						CAT																																			
CONT																																																					
[0][1] REPORT SOURCE [L] [6][0][5][0][0][0][2][9][6][7][0][6][1][7][8][3][8][0][7][1][5][8][3]																																																					
DOCKET NUMBER						EVENT DATE						REPORT DATE																																									
EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)																																																					
During normal steady-state operation, the charging water for RHR and CS was																																																					
switched from the condensate head tank to the PSC head tank. With the PSC head																																																					
tank supplying charging water, the PI-74-51 indicated pressure was 42 psig,																																																					
which is less than the 48 psig required by T.S. 3.5.H. In normal alignment, the																																																					
PSC serves the discharge piping of the RHR and CS pumps. Core Spray Loop I and																																																					
II, and Loop II RHR were available and operable. There was no effect on the																																																					
safety and health of the public.																																																					
SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE COMP. SUBCODE VALVE SUBCODE																																																					
[0][9] [C][F] [11] [E] [12] [E] [13] [I][N][S][T][R][U] [14] [I] [15] [Z] [16]																																																					
LICENEE REPORT NUMBER						EVENT YEAR						SEQUENTIAL REPORT NO.						OCCURRENCE CODE						REPORT TYPE						REVISION NO.																							
[8][3]						[0][3][7]						[0][3]						[L]						[0]																													
ACTION TAKEN						FUTURE ACTION						EFFECT ON PLANT						SHUTDOWN METHOD						HOURS						ATTACHMENT SUBMITTED						NPRM-4 FORM SUB						PRIME COMP. SUPPLIER						COMPONENT MANUFACTURER					
[E] [18] [Z] [19]						[Z] [20]						[Z] [21]						[0][0][0][0]						[Y] [23]						[N] [24]						[L] [25]						[G][0][8][0]											
CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)																																																					
The event cause was non-linearity of the instrument span and accuracy, and a																																																					
relatively small margin of pressure control. Charging water pressure was																																																					
restored by switching back to the condensate head tank. GE Model 180 vertical																																																					
indicator was recalibrated and the PSC system was satisfactorily placed back in																																																					
service. This was a random event and no recurrence control is required.																																																					
FACILITY STATUS % POWER OTHER STATUS (30) METHOD OF DISCOVERY DISCOVERY DESCRIPTION (32)																																																					
[1][5] [E] [20] [0][9][9] [29] NA						[A] [31]						ASE Observation																																									
ACTIVITY CONTENT RELEASED OR RELEASE AMOUNT OF ACTIVITY (35) LOCATION OF RELEASE (36)																																																					
[1][6] [Z] [13] [Z] [34] NA						NA																																															
PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)																																																					
[1][7] [0][0][0] [37] [Z] [38]						NA																																															
PERSONNEL INJURIES NUMBER DESCRIPTION (41)																																																					
[1][8] [0][0][0] [40]						NA																																															
LOSS OF OR DAMAGE TO FACILITY TYPE DESCRIPTION (43)																																																					
[1][2] [Z] [42]						NA																																															
PUBLICITY ISSUED DESCRIPTION (45)																																																					
[2][0] [N] [44]																																																					
NAME OF PREPARER M. D. Wingo												PDR ADOCK 05000296 S PDR												NRC USE ONLY																													
PHONE (205) 729-0845																																																					

LER SUPPLEMENTAL INFORMATION

BFRO-50- 296 / 83037 Technical Specification Involved 3.5.H

Reported Under Technical Specification 6.7.2.b.2 * Date Due NRC 7/18/83

Event Narrative:

Unit 1 was in refueling and unit 2 was at 97-percent power at steady state. These units were unaffected by this event. Unit 3 was at 99-percent power when the system charging water supply for core spray and RHR was being switched from the condensate transfer system to PSC system. It was noted by the assistant shift engineer that the charging water pressure from the PSC head tank on PI-74-51 fell to below 48 psig. This violates the minimum required charging pressure per T.S. 3.5.H of 48 psig. The indicated pressure fell to 42 psig. PI-75-48 indicated - 48 psig; PI-74-65 indicated - 60 psig; and PI-75-20 indicated - 52 psig on the PSC head tank. This occurred at 1430 hours on June 17, 1983. The assistant shift engineer immediately began to realign the condensate head tank to supply charging water. A 24-hour limiting condition of operation was entered on RHR Loop I as it was declared inoperable. At 1635 hours the condensate head tank was supplying the charging water. PI-74-51 indicated - 80 psig; PI-74-65 indicated - 80 psig; PI-75-20 indicated - 85 psig; and PI-75-48 indicated - 80 psig. This satisfies Technical Specification 3.5.H. The problem was a non-linearity in the pressure instrument which, when combined with the accuracy of the instrument and the relatively small margin of pressure control provided by the PSC system, resulted in an apparent violation of the 48 psig minimum pressure. Recalibration of PI 74-51 and subsequent use of the PSC system revealed no further problems. The PSC system was being pre-operation tested when the pressure indicated on PI-74-51 fell below 48 psig. No recurrence control is necessary.

* Previous Similar Events:

BFRO-50-260/79026, 81053

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

TENNESSEE VALLEY AUTHORITY

ATLANTA, GEORGIA 37401

1750 Chestnut Street Tower II

83 JUL 19 A10:30

July 14, 1983

Mr. James P. O'Reilly, Director
U.S. Nuclear Regulatory Commission
Suite 2900
101 Marietta Street, NW
Atlanta, Georgia 30303

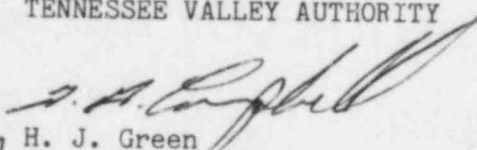
Dear Mr. O'Reilly:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 3 - DOCKET
NO. 50-296 - FACILITY OPERATING LICENSE DPR-68 - REPORTABLE OCCURRENCE
REPORT BFRO-50-296/83037

The enclosed report provides details concerning a pressure indication that
was less than required limits for the discharge piping of the residual heat
removal and condensate storage pumps. This report is submitted in
accordance with Browns Ferry unit 3 Technical Specification 6.7.2.b(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY


H. J. Green
Director of Nuclear Power

Enclosure

cc (Enclosure):

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Washington, D.C. 20555

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NRC Inspector, Browns Ferry

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