

LER SUPPLEMENTAL INFORMATION

BFRO-50-259 / 83068R1 Technical Specification Involved 3.5.B.9

Reported Under Technical Specification 6.7.2.a(2)* Date Due NRC 12/24/83

Event Narrative:

Unit 1 was in a refueling outage with irradiated fuel in the vessel and the vessel at atmospheric pressure; unit 2 was operating normally at 100 percent power; unit 3 was in a refueling outage. Unit 1 was the only unit affected by this event. On December 10, 1983, an operator observed that RHR pump 1C motor was sparking and smoking. The motor was shut down and subsequently restarted. After being restarted and running for a few minutes the motor tripped on overcurrent at 2045 hours. A and C phase and ground instantaneous overcurrent relays actuated. RHR Loop II was out-of-service. Therefore, RHR pump 1A, Loop I, was the only RHR pump operable. This exceeded the limiting condition of operation as defined by Technical Specification (T.S.) 3.5.B.9. All unit 1 and 2 diesel generators were operable. RHR Loop II was returned to service at 2243 hours. T.S. limits 3.5.B.9 were therefore exceeded for 2 hours. RHR pump 1C motor replacement was completed on 12/16/83. The GE model number 5K6348XC23A, 2000 HP, 3 phase motor is believed to have tripped due to winding failure. There was no effect on public health and safety. Reactor vessel temperature was maintained within limits as required by T.S. 3.6.A.3 and .5 during this event. All relevant data concerning the motor failure has been collected and a failure report is being finalized at this time. After issue of the failure report, the failure mode and recurrence control will be addressed in a follow-up to this LER by 7/16/84.

* Previous Similar Events:

BFRO-50-296/81034

Retention: Period - Lifetime; Responsibility - Document Control Supervisor

*Revision: JRP

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

May 25, 1984

Mr. James P. O'Reilly, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Dear Mr. O'Reilly:

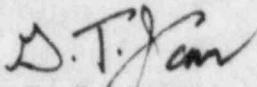
TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 - DOCKET
NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - REPORTABLE OCCURRENCE
REPORT BFRO-50-259/83068 R1

Reference: H. J. Green's memorandum to you dated December 20, 1983.

The enclosed report provides followup information concerning failure of
residual heat removal system pump motor. This report is submitted in
accordance with Browns Ferry Unit 1 Technical Specification 6.7.2.a.(2).

Very truly yours,

TENNESSEE VALLEY AUTHORITY



G. T. Jones
Power Plant Superintendent
Browns Ferry Nuclear Plant

Enclosure

cc (Enclosure):
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington D.C. 20555

NRC Inspector, Browns Ferry Nuclear Plant

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