

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401



June 12, 1974

Mr. John F. O'Leary, Director
Directorate of Licensing
Office of Regulation
U.S. Atomic Energy Commission
Washington, DC 20545



Dear Mr. O'Leary:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 1 -
DOCKET NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - ABNORMAL
OCCURRENCE REPORT BFAO-7437W

The enclosed report is to provide details concerning reactor vessel
water level switch malfunction and is submitted in accordance with
Appendix A to Regulatory Guide 1.16, Revision 1, October 1973. This
event occurred on Browns Ferry Nuclear Plant unit 1 on June 2, 1974.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

E. F. Thomas
Director of Power Production

Enclosure

CC (Enclosure):

Mr. Norman C. Moseley, Director
Region II Regulatory Operations Office, USAEC
230 Peachtree Street, NW., Suite 818
Atlanta, Georgia 30303

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ABNORMAL OCCURRENCE REPORT

Report No.: BFAO-7437W
Report Date: June 12, 1974
Occurrence Date: June 2, 1974
Facility: Browns Ferry Nuclear Plant unit 1

Identification of Occurrence

Reactor vessel water level switch malfunction.

Conditions Prior to Occurrence

Reactor was in startup mode to continue startup testing.

Description of Occurrence

During routine surveillance testing, LIS-3-58B, switch No. 2, failed to operate at the technical specification setting of greater than or equal to 378 inches above vessel zero.

Analysis of Occurrence

The switch is part of the automatic depressurization system (ADS) initiation logic. The ADS is composed of two logics, each capable of initiating the system. Although LIS-3-58B was inoperable, level switches in the other logic were found to operate correctly. Therefore, if required, the ADS would have been initiated.

Corrective Action

The switch is a magnet-actuated proximity type. It was readjusted to operate at the correct value and functionally tested. An accelerated testing frequency of once every 2 weeks has been initiated on the switch for the next 2 months. If the switch tests satisfactorily during this period, the normal testing frequency of once a month will be resumed.

Failure Data

Yarway level indicating switch, Model No. 4418EC, serial No. 26693.

No previous failures have been experienced with this type of switch.

<u>Switch</u>	<u>Date</u>	<u>Failure</u>	<u>Corrective Action</u>
LIS-3-58B	6/2/74	Setpoint drift	Reset setpoint