TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401

TVA
40TH ANNIVERSARY OF PEOPLE IN PARTNERSHIP

December 14, 1973

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-7346W

The enclosed report is to provide details concerning recirculation pump A d/p indicating switch malfunction which occurred on Browns Ferry Nuclear Plant unit 1 on December 6, 1973, and is submitted in accordance with Appendix A to Regulatory Guide 1.16, Revision 1, October 1973.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

for 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.
Atlanta, Georgia 30303

8996

COPY SENT REGION II

ABNORMAL OCCURRENCE REPORT

Report No.--BFAO-7346W
Report Date--December 14, 1973
Occurrence Date--December 6, 1973
Facility--Browns Ferry Nuclear Plant unit 1

Identification of Occurrence

Recirculation pump A d/p indication switch malfunction.

Conditions Prior to Occurrence

Reactor was at 25-percent thermal power during startup testing.

Description of Occurrence

During accelerated surveillance testing, PdIS-68-85 was found to operate outside the technical specification limit of less than or equal to 2 psid as specified in Table 3.2.B. The switch operated at 2.2 psid.

Analysis of Occurrence

Each switch operates a relay having two sets of contacts, which are arranged in a one out of two taken four times logic in each trip system of the LPCI break detection system. The other three d/p switches on recirculation pump A were tested and found to operate satisfactorily. If the LPCI break detection system had been required, it would have performed its intended function.

Corrective Action

A new type of locking device was installed to minimize setpoint drift. Present testing frequency of once every two weeks will continue until three consecutive tests are satisfactory, at which time the normal test frequency of once a month will be resumed.

Failure Data

Barton Model 288 differential pressure indicating switch; serial No. 288-4545.

Switch	Date	Failure	Corrective Action
PdIS-68-85	10/15/73	Setpoint drift	Reset setpoint
PdIS-68-85	12/6/73	Setpoint drift	Installed new locking device