

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401



October 24, 1974

Mr. Edson G. Case
Acting Director of Licensing
Office of Regulation
U.S. Atomic Energy Commission
Washington, DC 20545

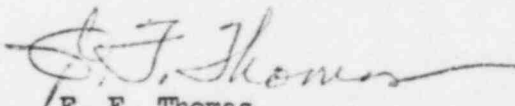
Dear Mr. Case:

TENNESSEE VALLEY AUTHORITY - BROWNS FERRY NUCLEAR PLANT UNIT 2 -
DOCKET NO. 50-260 - FACILITY OPERATING LICENSE DPR-52 - ABNORMAL
OCCURRENCE REPORT BFAO-50-260/7418W

The enclosed report is to provide details concerning 2B standby
liquid control pump relief valve which opened at less than the
specified setpoint during a routine surveillance test 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 2
on October 15, 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

8308290511 741024
PDR ADOCK 05000260
S PDR

11147

50-260
incident

COPI SENT REGION

ABNORMAL OCCURRENCE REPORT

Report No.: BFAO-50-260/7418W
Report Date: October 24, 1974
Occurrence Date: October 15, 1974
Facility: Browns Ferry Nuclear Plant unit 2

Identification of Occurrence

During a routine surveillance test, 2B standby liquid control pump relief valve opened at less than the specified setpoint.

Conditions Prior to Occurrence

The reactor was in the cold shutdown condition.

Description of Occurrence

At 0415 hours on October 15, 1974, during a routine surveillance test, 2B liquid control pump relief valve failed to open at the prescribed technical specification requirement of $1,425 \pm 75$ psig; and the valve appeared to be leaking through at approximately 200 psi.

Designation of Apparent Cause of Occurrence

The apparent cause of the failure was the presence of foreign material under the valve seat which let the relief valve start relieving at a pressure lower than the setpoint.

Analysis of Occurrence

The unit was in the cold shutdown condition at the time the low setpoint was discovered. If standby liquid control injection had been required, injection would have been possible under these conditions as the valve lifted at 1,250 psi. In addition, the "A" loop was operable and was available if needed. There was no damage to other systems, components, or structures as a result of the low setpoint. There were no adverse effects to the public health or safety as a result of the occurrence.

Corrective Action

The relief valve was removed and visually inspected. There was no deposit or foreign material noted but the valve had been flushed during testing. The valve was bench setpoint checked using water as a test medium. It was then remounted on the standby liquid control header, and the lifting pressure was checked. The valve lifted at 1,400 psi which meets the technical specification requirements.

Failure Data

Crosby Valve and Gage Company
Style - JMWK
Size - 1 x 2
Shop No. - 50785 M2
Reseat Press - 1,270 psi
Cap - 56 GPM H₂O @ 1,680