

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401

May 30, 1974



ANNIVERSARY
OF PEOPLE IN
PARTNERSHIP

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-7433W

The enclosed report is to provide details concerning FCO 64-44 outboard
refueling zone to SGTS crosstie damper which failed to open 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 1 on May 21, 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-7433W
Report Date: May 30, 1974
Occurrence Date: May 21, 1974
Facility: Browns Ferry Nuclear Plant unit 1

Identification of Occurrence

FCO 64-44 outboard refueling zone to SGTS crosstie damper failed to open during a routine surveillance test.

Conditions Prior to Occurrence

The reactor was in a cold shutdown condition.

Description of Occurrence

While conducting a routine surveillance test, the FCO 64-44 refueling zone to SGTS crosstie damper failed to open. The operator immediately opened the redundant refueling zone to SGTS crosstie damper FCO 64-45.

Designation of Apparent Cause of Occurrence

The air operated FCO 64-44 damper failed to open due to failure of FSV 64-44 pilot solenoid valve to operate.

The defective valve was inspected, and dried grease was found on the core pole face which prevented the solenoid valve from operating when deenergized.

Analysis of Occurrence

The FSV 64-44 pilot solenoid valve stuck during the surveillance test and prevented the FCO 64-44 damper from operating. The redundant FCO 64-45 damper was proven operable immediately and would have operated satisfactorily had a primary containment isolation signal occurred.

Corrective Action

The FSV 64-44 pilot solenoid valve was replaced with an operable valve and tested satisfactorily.

Other ASCO valves of this type are being inspected for grease on the core pole face.

Failure Data

This type of pilot solenoid valve has no record of previous failures. The solenoid valve is manufactured by Automatic Switch Company - valve catalog No. HB830281RU; serial No. 35065A.