

50-259
TENNESSEE VALLEY AUTHORITY
CHAATTANOOGA, TENNESSEE
37401

January 9, 1974

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



ANNIVERSARY
OF PEOPLE IN
PARTICIPATION

Dear Mr. O'Leary:

TENNESSEE VALLEY AUTHORITY - BROWN'S FERRY NUCLEAR PLANT UNIT 1 -
DOCKET NO. 50-259 - FACILITY OPERATING LICENSE DPR-33 - ABNORMAL
OCCURRENCE REPORT BTAC-7392W

The enclosed report is to provide details concerning PCV 77-2A
inboard drywell isolation valve which failed to close during a
routine surveillance test which occurred on Browns Ferry Nuclear
Plant unit 1 on December 20, 1973, and is submitted in accordance
with Appendix A to Regulatory Guide 1.16, Revision 1, October 1973.

Very truly yours,

TENNESSEE VALLEY AUTHORITY

E. F. Thomas
E. F. Thomas
Director of Power Production

Enclosure

CC (Enclosure):

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

8311080179 740109
PDR ADOCK 05000259
S PDR

Handwritten: 50-259
COPY SENT REGION II

ABNORMAL OCCURRENCE REPORT

Report Number--BFAO-7351W
Report Date--January 9, 1974
Occurrence Date--December 30, 1973
Facility--Browns Ferry Nuclear Plant unit 1

Identification of Occurrence

FCV 77-2A inboard drywell isolation valve failed to close during a routine surveillance test.

Conditions Prior to Occurrence

The reactor was operating at 35-percent thermal power.

Description of Occurrence

While conducting a routine surveillance test, the FCV 77-2A inboard drywell floor drain isolation valve failed to close. The operator immediately shut the outboard drywell floor drain isolation valve FCV 77-2B.

Designation of Apparent Cause of Occurrence

The air operated FCV 77-2A valve failed to close due to failure of FSV 77-2A pilot solenoid valve to operate.

Analysis of Occurrence

The FSV 77-2A pilot solenoid valve stuck open during the surveillance test and prevented the FCV 77-2A valve from operating. The FCV 77-2B outboard drywell floor drain isolation valve was operable and would have automatically shut had a containment isolation signal occurred.

Corrective Action

The FSV 77-2A solenoid valve was replaced with an operable valve and tested satisfactorily.

Failure Data

This type pilot solenoid valve has no record of previous failures. The solenoid valve is manufactured by Verma Products Company; Type AU; Product No. VSG-3521; suffix detail U-14-15-21-31.