

TENNESSEE VALLEY AUTHORITY
CHATTANOOGA, TENNESSEE
37401



August 23, 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 2 -
DOCKET NO. 50-260 - FACILITY OPERATING LICENSE DFR-52 - ABNORMAL
OCCURRENCE REPORTS BFAO-50-260/747W AND BFAO-50-260/741CW

This is an interim report until details are available concerning the
cause of failure and corrective action taken as a result of two main steam
isolation valves which were sequentially found inoperative on August 14
and August 21, 1974.

Unit 2 reactor was in the early phases of the startup test program and
has reached full operating temperature and pressure, but has not been
operating above approximately 6-percent thermal power.

On August 14, 1974, with the reactor in a shutdown condition at
approximately 100 psig, FCV 1-52 failed to open. On August 21, 1974,
with the reactor still in the shutdown condition, but at atmospheric
pressure, a second valve, FCV 1-27, failed to open when manually
actuated. These valves are the outboard containment isolation valves
in steamlines "D" and "B," respectively. All other main steam isolation
valves have been tested and appear to be fully operational.

The reactor will remain in a cold shutdown condition until investigation
and corrective action is complete.

We have had no previous failures of this nature with these valves.

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, USAEC
230 Peachtree Street, N.W., Suite 818
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inquiry

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