



Commonwealth Edison Company

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Dresden Nuclear Power Station

R. R. #1

Morris, Illinois 60450

May 12, 1972



Dr. Peter A. Morris, Director
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington, D.C. 20545

Subject: License DPR-25 DNPS Unit #3
Section 6.6.B.2 of the Technical Specifications

Dear Dr. Morris:

This is to report a condition relating to the operation of the station, when isolation condenser valve 3-1301-3 failed to open electrically following a spurious reactor scram, thus rendering the isolation condenser inoperable contrary to section 3.5.E.1 of the Dresden Unit #3 Technical Specifications.

PROBLEM AND INVESTIGATION

On May 4, 1972, Unit #3 was operating in a base load condition at 802 MWe and 2300 Mwt. At 0911 the unit underwent a scram which was followed by a Group I isolation, causing the reactor pressure to rise. An attempt was made to place the isolation condenser in service, but valve 3-1301-3 would not open. An operator was dispatched to the valve and manually moved the valve off its seat. Once the valve was manually moved off its seat and its breaker reset, it appeared to function properly. The isolation condenser was then used to reduce reactor pressure in an orderly fashion.

CORRECTIVE ACTION

Following the plant shutdown, investigation of the isolation condenser valve 3-1301-3 disclosed that the "B" auxiliary contact on the closing circuit for the valve motor operator circuit breaker was not consistently closing properly. This contact is in the electrical interlock circuit for the open contactor. The auxiliary contact arm was adjusted and proper operation of the valve was verified.

The last surveillance performed on this valve prior to the scram was on 1/15/72 when the valve operated satisfactorily. Subsequent to the

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startup following the scram the valve was again operated electrically and performed properly.

ADDITIONAL INFORMATION

The spurious scram on 5/4/72 and the ensuing pressure transient caused an electromatic relief valve to operate. One safety valve prematurely opened at 1108 psig reactor pressure resulting in pressurizing the drywell to $2\frac{1}{2}$ psig. There was no drywell damage except for a piece of insulation which was blown off an adjacent relief valve.

The transient was reviewed by the Station Review Board and the Nuclear Review Board. Following their review, startup was approved and the plant returned to service. A complete report of the event is being developed at this time and will be forwarded to you by 6/1/72.

Sincerely,

Fred S. Morris
for W. P. Worden
Superintendent

WPW:sds