50-249

Commonwealth Edison Company
72 WEST ADAMS STREET ★ CHICAGO, ILLINOIS
Address Reply to:
POST OFFICE BOX 767 ★ CHICAGO, ILLINOIS 60690

Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
September 20, 1972

Mr. A. Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

SUBJECT: LICENSE DPR-25, DRESDEN NUCLEAR POWER STATION, UNIT #3,
SUBJECT 6.6.B.3 OF THE TECHNICAL SPECIFICATIONS.

Dear Mr. Giambusso:

This is to report a condition relating to the operation of the station in which a reactor protection system (RPS) limit switch on the #4 turbine control valve was found to be inoperable, contrary to the requirements of Section 3.1 of the Technical Specifications.

PROBLEM AND INVESTIGATION

The reactor was in the "run" mode and operating at 560 MWe on September 9, 1972. At 0300, during the Turbine Weekly Checks, it was noted that the turbine generator load mismatch relay (590-121D) scram on Channel "B" did not deenergize when the #4 control valve was closed. When the control valve fast closure solenoid operates, it actuates a switch which opens contacts de-energizing its RPS relay; this causes a Channel "B" trip when above 40% power. Pending correction of the problem, fuse No. 590-725H was removed to actuate a Channel "B" scram to satisfy the requirements of Section 3.1 of the Technical Specifications.

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Investigation of the switch showed that the mounting bolts had worked loose allowing the switch to shift far enough so that it could not be actuated by the fast closure solenoid.

CORRECTIVE ACTION

The limit switch was adjusted, tightened, and tested satisfactorily. The limit switches on the other three control valves were similarly inspected and tightened.

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COPY SENT REGION III

Good "Fix"

A similar occurrence was experienced on July 7, 1972 as explained in the letter to Mr. Block from Mr. Worden dated July 17, 1972. The corrective action at that time was to reverse the mounting bolt. Because of plant conditions at that time only one of the limit switches had the mount reversed. During the current anomaly, the bolts were adjusted and tightened. During the next maintenance outage, the limit switch mounting bolts will be reversed and double nuts installed. This corrective action has already been completed on Unit 2.

Sincerely,

W. P. Worden
Superintendent

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