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Commonwealth Edison Company

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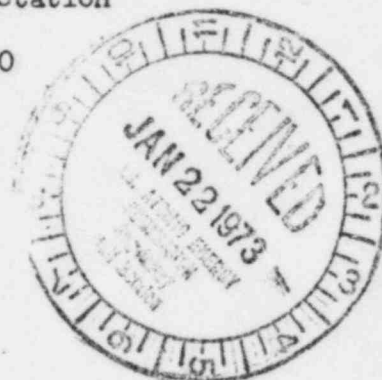
Dresden Nuclear Power Station

R. R. #1

Morris, Illinois 60450

January 17, 1973

WPW Ltr. #44-73



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
SECTION 6.6.B.2 OF THE TECHNICAL SPECIFICATIONS.

Dear Mr. Giambusso:

This is to report a condition relating to the unit in which, on January 8, 1973, the switches for the High Pressure Coolant Injection System (HPCI) high flow isolation drifted above the Technical Specification limit of a differential pressure of ≤ 150 inches of water. The switches were immediately recalibrated to comply with the Technical Specification limits.

PROBLEM AND INVESTIGATION

The switches are Barton Model #288 differential pressure sensors identified as DPIS 3-2352 and DPIS 3-2353. The history of these switches shows drift in both the increasing and decreasing direction. This drift problem has been investigated and the manufacturers suggested correction is to install locking devices on the calibrating screws to prevent screw movement caused by normal plant vibration.

The function of DPIS 3-2352 and DPIS 3-2353 is to isolate the HPCI system in the event of a breakage in the HPCI steam supply piping. Although the switches drifted above the Technical Specifications, they did operate, and in the event of a break in the steam piping would have isolated the HPCI system at 150.5 inches differential pressure. Consequently, we conclude that this slight switch drift presented no safety hazard.

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CORRECTIVE ACTION

As mentioned above, the manufacturer of Barton Model #288 switches has been consulted concerning this drift problem, and has made specific recommendations as to a corrective action. This corrective action consists of installing locking devices on the switch calibrating screws. The locking devices have been received and are presently being processed through Commonwealth Edison Quality Assurance. The devices will be installed, after Quality Assurance approval, on all Barton Model #288 switches and any other switch with similar problems, with an estimated completion date of March 1, 1973. A follow up study will be performed to assure that the locking devices have corrected the drift problem on the Barton Model #288 switches. A follow up letter will be provided upon completion of this study.

Sincerely,

W. P. Worden

W. P. Worden

WPW:WH:jlw

cc: WPW Ltr. File