



Regulatory

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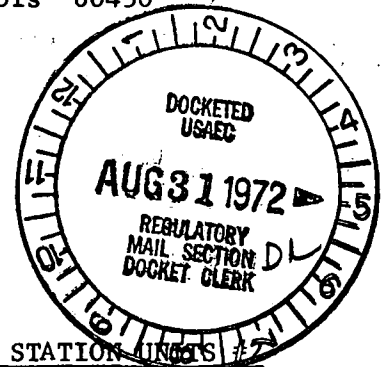
# Commonwealth Edison Company

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

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Dresden Nuclear Power Station  
R. R. #1  
Morris, Illinois 60450  
July 27, 1972



Mr. Edward J. Bloch, Acting Director  
Division of Reactor Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 20545

SUBJECT: LICENSE DPR-19 AND DPR-25, DRESDEN NUCLEAR POWER STATION UNITS #2 AND #3 SECTION 3.1 OF THE TECHNICAL SPECIFICATIONS.

Dear Mr. Bloch:

This is to report a condition relating to the operation of Units #2 and #3, in which on July 15, 1972, six of the eight "electrohydraulic control (EHC) oil low pressure scram switches" were found to have drifted beyond the setpoints established in the Technical Specifications.

## PROBLEM

During the routine calibration (every three months - Tech. Spec. Table 4.1.2) the subject EHC switches were found to trip at setpoints ranging from 860 psig to 885 psig, compared to the limit of 900 psig decreasing. This incident involved two of four switches on Unit #2 and all four switches on Unit #3. The switches were immediately recalibrated and an investigation was begun to determine the cause of the drift.

Switches: Barksdale Model TC-9622-3, dual control, weatherproof housing, diaphragm type, 7000 psig proof pressure, designed for hydraulic oil, water or air, 250-3000 psig range, 1% accuracy.

## INVESTIGATION

Inspections of the switch internals revealed that one switch had slight internal leakage, while the others displayed no apparent abnormalities. The internal leakage had no effect on the setpoint. A review of the calibration history of the switches showed a tendency to drift. The calibration procedure was reviewed and found to be satisfactory. The switches are calibrated for a trip setpoint of  $910 \pm 5$  psig decreasing.

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CORRECTIVE ACTION

Because the reason for this large setpoint change is unexplained and because of the past tendency of these switches to drift slightly, they will be calibrated next month rather than just functionally checked as required by the Technical Specifications. The one leaking switch will be replaced with a switch which has a setpoint range of 250-1500 psig. This certified switch, ordered from the Barksdale Co., is model TC-9622-2. The new switch will be closely observed for drift and accuracy, and if it proves to have a better applicability to the system, all of the remaining switches will be replaced with 250-1500 psig setpoint range devices.

Sincerely,

*Fred S. Morris*  
for W. P. Worden  
Superintendent

WPW:do

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