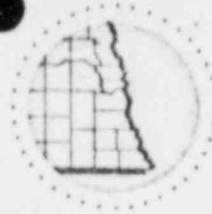


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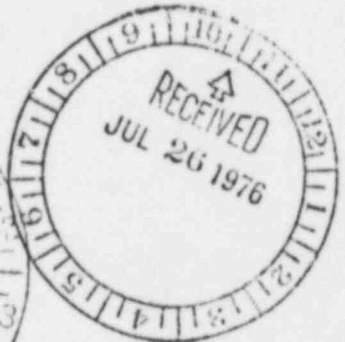


Omaha Public Power District

1623 HARNEY • OMAHA, NEBRASKA 68102 • TELEPHONE 536-4000 AREA CODE 402

July 16, 1976
FC-224-76

Mr. E. Morris Howard
U. S. Nuclear Regulatory Commission
Region IV
611 Ryan Plaza Drive
Suite 1000
Arlington, TX 76012



Dear Mr. Howard:

Subject: Recirculation Actuation Signal Setpoint Drift

References: (1) Abnormal Occurrence Report 50-285/75-5 dated March 14, 1975
(2) Licensee Event Report 50-285/76-5 dated March 19, 1976

This letter is intended to provide your office with the current status of our progress in resolving the Recirculation Actuation Signal Setpoint Drift as previously reported in References (1) and (2).

During the calibration of the Safety Injection and Refueling Water Tank level channels on March 11, 1975, it was observed that the pressure switch settings for the Recirculation Actuation Signal had drifted upward in excess of the allowed Technical Specification limit as specified in Table 2-1, Item 5. The allowable Technical Specification limit is 16(+0, -2) inches of water. These limits ensure that 283,000 gallons of water at the refueling boron concentration are available for the accident as well as preventing the loss of suction to the safety injection pumps.

The installed Barksdale D2tM-80P2 pressure switches have a range of 0-18 psig, with a setpoint repeatability of $\pm 1\%$ (± 4.98 inches of water). A design change request was initiated on March 13, 1975, in order to develop a modification to the existing design which would ensure conformance with the Technical Specification limits.

The Plant Review Committee recommended that the pressure switch setpoint for the Recirculation Actuation Signal be changed to 19 ± 4.98 inches and that the Safety Injection and Refueling Water Tank high and low level alarm setpoints be increased to ensure that a minimum of 283,000 gallons of water at the refueling boron concentration would be available. The Technical Services' section concurred with this recommendation.

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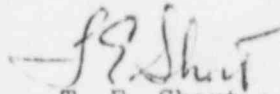
Mr. E. Morris Howard

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Continued setpoint drift problems have necessitated that the Barkesdale pressure switches be removed and replaced with pressure switches which will provide the required accuracy. The calibration frequency of the Barkesdale pressure switches has been increased to a monthly calibration in order to minimize drift effects. These monthly calibrations have determined that the setpoint had drifted but the present setpoint plus drift experience has ensured that more than 283,000 gallons of water are available. The design change request is undergoing final design. New pressure switches will be installed as soon as the design is completed and the parts are available.

Sincerely,



T. E. Short
Division Manager
Production Operations

TES/WDD/SCS:amk