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BBS Ltr. #335-75

Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
May 30, 1975

Mr. James G. Keppler, Regional Director
Directorate of Regulatory Operation-Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

SUBJECT: REPORT OF ABNORMAL OCCURRENCE PER SECTION 6.6.A OF THE TECHNICAL SPECIFICATIONS
ELECTROMATIC RELIEF VALVE FAILED TO OPEN

- References: 1) Regulatory Guide 1.16 Rev. 1 Appendix A
- 2) Notification of Region III of U. S. Nuclear Regulatory Commission
Telephone: P. Johnson, 0930 hours on May 20, 1975
Telegram: J. Keppler, 1515 hours on May 20, 1975
- 3) Drawing Number M12

Report Number: 50-237/1975-30

Report Date: May 30, 1975

Occurrence Date: May 20, 1975

Facility: Dresden Nuclear Power Station, Morris, Illinois

IDENTIFICATION OF OCCURRENCE

The 2-203-3C electromatic relief valve failed to open during a scheduled surveillance. This represents a condition which could prevent a safety system component from performing its intended safety function.

CONDITIONS PRIOR TO OCCURRENCE

Unit-2 was in the run mode during a routine startup operation when the incident occurred. The unit was at 405 MWt and zero electrical load.

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DESCRIPTION OF OCCURRENCE

At approximately 0400 hours on May 20, 1975 the 2-203-3C electromatic relief valve failed to open when actuated manually from the control room. The indicating lights showed evidence of pilot solenoid operation but no reduction of bypass valve position or increase in discharge temperature was observed.

DESIGNATION OF APPARENT CAUSE OF OCCURRENCE (Component Failure)

The 2-203-3C electromatic relief valve failed to open because of an adjustment problem in the pilot valve linkage. The capscrew on the pilot operating lever that contacts the pilot valve stem was found to be out of adjustment. Upon installation of the relief valve after maintenance, the contractor failed to make final adjustments on the operating lever.

ANALYSIS OF OCCURRENCE

Reactor operation is permitted with one electromatic relief valve out of service. The other unit-2 relief valves were tested immediately following the occurrence. The HPCI system was also determined to be operable as required by Section 4.5.D.2 of the Technical Specifications.

CORRECTIVE ACTION

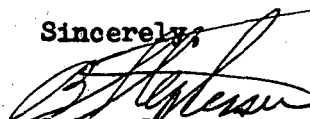
All four electromatic relief valves were checked and adjusted to the proper tolerances. Surveillance tests were then conducted on the relief valves and 3C operated satisfactorily; however, 3B failed to open (this incident will be discussed in subsequent report number 50-237/1975-32).

To ensure that this problem does not recur, a check on the adjustment of the operating levers will be done following all maintenance on the relief valves.

FAILURE DATA

A similar incident occurred and was reported (50-237/1970-22) on the unit-2 3D electromatic relief valve in 1970. These relief valves are Model Number 1525-VX, electromatic relief valves manufactured by Dresser Industrial Valve.

Sincerely,



B. B. Stephenson
Superintendent

BBS:JEM:smp

File/NRC