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Commonwealth Edison Company

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

August 25, 1970

Dr. Peter A. Morris, Director
Division of Reactor Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Dr. Morris:

SUBJECT: License DPR-19 Dresden Nuclear Power Station Unit 2, Section 6.6.C.1 of the Technical Specifications

This is to report a condition relating to the operation of the station in which one of the Standby Liquid Control pumping circuits (2B) was found to have a capacity deficiency during the monthly surveillance tests specified in section 4.4.A.1.

Problem and Initial Action

On Monday, August 10, 1970, the routine monthly surveillance was performed on the standby liquid control system. The results on 2A pump were satisfactory; but 2B pump indicated approximately half of rated capacity. Investigation revealed that the 2B pump discharge relief valve was lifting at approximately 1100#. This resulted in dilution of the standby liquid control tank with ~350 gal. of clean demineralized water, raising the level to 82%.

Standby liquid control pump 2B was declared inoperable. Daily surveillance was begun on the redundant pump 2A.

The tank was sampled and boron concentration was found to be 12.4%. The tank level was lowered to 74% to bring it back within normal level requirements.

Investigation and Corrective Action

The valve was removed on August 12, 1970, by maintenance and found to be held open by crystallized borate solution.

The valve was cleaned and reinstalled; a satisfactory test on B pump was conducted on August 12, 1970.

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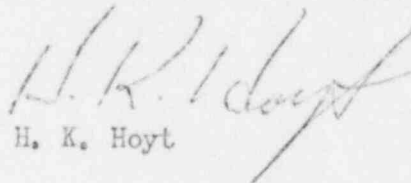
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Dr. Peter A. Morris

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A Station Review Board review concluded that the safety of the plant was not jeopardized because the system was operable within the requirement of the Technical Specifications and the redundant components operability was demonstrated daily as required by the Technical Specifications. Station personnel performed satisfactorily and in accordance with approved procedures. It was also concluded that the crystallization at the valve could not have prevented its intended relief function, and probably would not reseal after unintentionally exceeding its set pressure during the surveillance test.


H. K. Hoyt

HKH:dmc