



57-237

# Commonwealth Edison Company

72 WEST ADAMS STREET \* CHICAGO, ILLINOIS

Address Reply to

POST OFFICE BOX 767 \* CHICAGO, ILLINOIS 60690

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

September 10, 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 the High Pressure Coolant Injection (HPCI) system was found to be significantly slower in response than its design emergency starting time as listed in Table 6.2.5 of the Dresden Safety Analysis Report.

## Problem and Initial Action

On August 13, 1970, a HPCI system cold quick start test was conducted. The system required 60 seconds to attain rated flow; required time is 25 seconds. Speed appeared to rapidly increase to 2000 rpm and then slowly increased to rated.

Based on the slow starting time, HPCI was declared inoperative and the surveillance required by section 4.5.C.2 of the Technical Specifications was performed.

## Investigation and Corrective Action

Further investigation showed that the system would meet its required starting time if the control oil system were kept charged. This could be accomplished by running the HPCI auxiliary oil pump for at least 4 minutes once a shift. This program was begun and HPCI was declared operable again.

Continuing investigation of HPCI response times revealed an undersized orifice in a control oil line and a test plug which was removed allowing drainage of the control line over a period of time. The orifice was enlarged, plug reinstalled, and further testing showed that once a shift running of the oil pump was no longer required.

COPY SENT REGION

SEP 15 1970

8304120489 700910  
PDR ADOCK 05000237  
S PDR

03390

2902

September 10, 1970

Quick start tests were conducted satisfactorily on August 18, 1970. The times to full flow were 20 sec for cold quick start and 18 sec for hot quick start, which are well within required starting times.



H. K. Hoyt  
Superintendent  
Dresden Nuclear Power Station

HKH:jlb