



DOCKET NO. 50-237

Regulatory

File Cy.

Commonwealth Edison Company

ONE FIRST NATIONAL PLAZA ★ CHICAGO, ILLINOIS

Address Reply to:

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Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
September 25, 1970

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

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

Dear Mr. Morris:

This is to report a condition relating to the operation of the station in which control rod drives exceeded the 7.00 second maximum insertion time as required for 90% insertion as specified by section 3.3.C.2 of the technical specifications.

Problem, Investigation and Corrective Action

A review of scram timing traces on the 29 monitored drives during a scram on September 11, 1970 revealed that one drive had a scram time of 2.85 seconds for 50% insertion. As a result of this information individual drive scram tests were performed in the power operating condition between September 15 and 19, 1970.

Analysis of the individual drive scram data revealed that two drives had times exceeding 7.00 seconds for 90% insertion. These two drives G - 9 (90% insertion time = 12.62 seconds) and G - 7 (90% insertion time = 8.61 seconds), were electrically disabled and declared inoperable. In accordance with our letter to you of December 15, 1969, signed by Peter S. VanNort we have tabulated below all drives exceeding 3.6 seconds for 90% insertion. The average scram time for all operable control rod drives is now 2.69 seconds.

The two control rod drives with excessive scram times were replaced during the maintenance outage which began September 23, 1970.

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PDR ADOCK 05000237
S PDR



3009

<u>Control Rod Drive</u>	<u>Time in Seconds</u>			<u>(Data taken 9/15 to 9/19/70)</u> <u>Insertion</u>
	<u>10%</u>	<u>50%</u>	<u>90%</u>	
G - 9	1.00	6.25	12.62	
G - 7	0.50	4.14	8.61	
J - 9	0.50	3.24	6.71	
F - 1	0.42	1.79	3.67	

Very Truly Yours,

H. K. Hoyt

H. K. Hoyt
Superintendent