

Docket #

OCT 20 1970

Docket No. 50-237

Commonwealth Edison Company
ATTN: Mr. Byron Lee, Jr.
Assistant to the President
P.O. Box 767
Chicago, Illinois 60690

Gentlemen:

We have reviewed your Proposed Change No. 5, dated September 10, 1970, requesting a change to the Technical Specifications (Appendix A) of Provisional Operating License DPR-19 (Dresden Nuclear Power Station Unit 2). The change proposes an increase in the High Flow Main Steamline Trip Level Setting from the present level of 120% to 140% of rated flow.

As we indicated to you at meetings held on September 18, 1970 and October 7, 1970, additional information and justification is necessary before we can complete our evaluation of this change. Specifically, we need the following information to support the proposed change:

1. The primary function of this instrumentation is to detect and signal the main steam isolation valves to close for a break in the main steamline. Your analysis in Section 14.2.3.6 indicates that for a break in one of the four main steam lines occurring outside the drywell, the steam flow in the three unbroken lines would increase to the proposed setting of 140%. Discuss the margin provided by the proposed level setting to assure that isolation capability has not been compromised.
2. Provide an analysis to show that the consequences of steam line breaks in the turbine building will not be increased by the change.
3. Provide the basis for your conclusion that a steam line break resulting in less than 140% of rated steam flow is "improbable."

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- 4. You indicated that the need for the change was partly to prevent the initiation of isolation by spurious high flow signals resulting from unexplained instrument noise. Describe your efforts to improve the instrumentation so that instrument noise effects may be reduced.

Sincerely,

Original Signed by
Peter A. Morris

Peter A. Morris, Director
Division of Reactor Licensing

See attached for distribution and other concurrences.

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4. You indicated that the need for the change was partly to prevent the initiation of isolation by spurious high flow signals resulting from unexplained instrument noise. Describe your efforts to improve ~~the sensitivity of~~ the instrumentation so that instrument noise effects may be reduced.

Sincerely,

Peter A. Morris, Director
Division of Reactor Licensing

bcc: N. J. McAlduff, ORO
E. E. Hall, GMR/H
J. A. Harris, PI
E. B. Kremmel, IP
R. Leith, OC
J. Buchanan, ORNL
A. A. Wells, ASLB
T. W. Laughlin, DTIE

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as noted