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Regulatory

File Cy.

April 22, 1974



Mr. D. J. Skovholt  
 Assistant Director for Operating  
 Reactors  
 Directorate of Licensing  
 Office of Regulation  
 U.S. Atomic Energy Commission  
 Washington, D.C. 20545

Subject: Appendix A to Dresden Station Special Report  
 No. 29, Supplement B - Dresden Station Unit 3  
 Transient Analyses for Cycle 3 and Quad-Cities  
 Unit 1, Cycle 2 - AEC Dkt 50-249 and 50-254

Dear Mr. Skovholt:

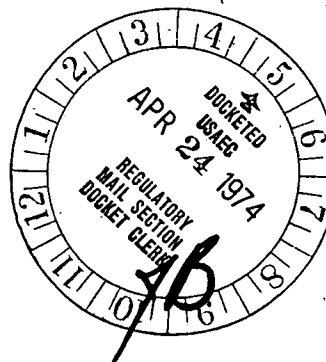
Attached is Appendix A to Dresden Station Special Report  
 No. 29, Supplement B, providing additional information clarifying  
 the special report. This appendix should be appended to Special  
 Report No. 29, Supplement B, submitted to you March 29, 1974.

One signed original and 39 copies of this appendix  
 are provided for your use.

Very truly yours,

*J. S. Abel*  
 J. S. Abel  
 Nuclear Licensing Administrator  
 Boiling Water Reactors

Att.



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APPENDIX A TO DRESDEN SPECIAL REPORT NO. 29, SUPPLEMENT B

Dresden Station Unit 3 Transient Analyses

for Cycle 3 and Quad-Cities Unit 1, Cycle 2

Clarifications

1. The opening time of the Target Rock valves used in the dynamic analyses of the piping stresses was 50 milli-seconds. This value is similar to the opening time used for the electromatics in a similar analysis presented in Dresden Special Report No. 30. The valve opening time should not be confused with the delay time used in the reactor transient analyses which was 0.4 seconds for the Target Rock relief valves and 0.65 seconds for the electromatic relief valves.
2. The methods used in the transient analyses in this special report are the same methods described in General Electric Company Topical Report NEDO-10802 and are the same methods used in previous Special Report No. 29 analyses.
3. For the purposes of this special report, end-of-cycle is defined as: the end-of-cycle scram reactivity condition used in the transient analyses is for all rods out, based on a Haling core history simulation. Operation beyond this point would be at less than 100% power; i.e., coastdown.
4. The conservatism factors applied in this special report were those referred to as "design conservatism factors". The design conservatism factors used throughout the analyses were: scram reactivity - 0.80, void reactivity - 1.25, and Doppler - 0.90. These values are consistent with previous Special Report No. 29 analyses.