



**Commonwealth Edison**  
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July 30, 1982

Mr. Harold R. Denton, Director  
 Office of Nuclear Reactor Regulation  
 U.S. Nuclear Regulatory Commission  
 Washington, DC 20555

Subject: Zion Station Units 1 and 2  
 Fire Protection  
NRC Docket Nos. 50-295 and 50-304

- References (a): June 7, 1982, letter from  
 F. G. Lentine to H. R. Denton.
- (b): July 2, 1982, letter from  
 F. G. Lentine to H. R. Denton.

Dear Mr. Denton:

By letter of reference (a), Commonwealth Edison provided a report on associated circuits related to Zion Station's post fire shutdown capability. A revised version of that report was provided in reference (b). Those letters of transmittal indicated that additional material on Unit 1 would be provided by August 1, 1982. This is to provide a revised version of the report that incorporates the Unit 1 material. The revised report includes the material previously submitted and is intended to replace the July 2, 1982, report in its entirety.

Along with the Unit 1 material, some additional material has been provided in anticipation of NRC staff questions. This material includes additional simplified diagrams of the safe shutdown systems, and two new tables that supplement the analysis sections for the Power Distribution system and the Diesel Generator Heat Exchangers. Format changes to material previously provided have been made where necessary to maintain consistency between units and provide report continuity.

With the submittal of this final report, Commonwealth Edison believes that sufficient information has been provided for the NRC to complete its review of associated circuits for Zion Station. We anticipate that additional conference calls or meetings would prove useful in your review of this material; please contact this office to make such arrangements.

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*Charts + Drawings To:  
 Reg File - 1 Set  
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H. R. Denton

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July 30, 1982

Three (3) copies of this report and associated cable charts are provided for your use.

Please address questions regarding this matter this office.

Very truly yours,

*F. G. Lentine*

F. G. Lentine  
Nuclear Licensing Administrator

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Enclosure

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