



Commonwealth Edison  
Zion Generating Station  
Shiloh Blvd. & Lake Michigan  
Zion, Illinois 60099  
Telephone 708 / 746-2084

May 7, 1990

Dr. Thomas E. Murley, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Zion Station Units 1 & 2  
Evaluation of Safety Equipment  
Outages for Significance at Zion  
NRC Docket Nos 50-295/304

Reference: January 31, 1990, letter from T.M. Novak to T.P. Joyce concerning  
TR Report No AEOD/T925

Dear Dr. Murley:

The referenced report evaluates conditional core damage probability for Zion Station Event Notifications (EN's) reporting equipment outages on November 22 - 23, 1989. Commonwealth Edison has reviewed this report and has determined that incorrect information on the operation of Zion Station was used that resulted in a core damage probability that was significantly higher than actual.

The most significant error made was the assumption that the 2B Essential Service Water (ESW) Pump was powered from the 2B Diesel Generator (DG). In fact, the 2B ESW Pump is powered from the 2A DG and the 2C ESW Pump is powered from the 2B DG.

With this correction alone, the 2B DG and 2C ESW pump would be available to provide AC power to other components. The net result would be service water available to both units, the turbine driven auxiliary feedwater pumps (which are independent of AC power) available to both units, DC power available to the instruments necessary to monitor the auxiliary feedwater removal function on both units and various other AC powered equipment available from the essential bus powered from the 2B DG.

Also, not included in the analysis is the fact that a diesel driven fire pump, which can be run independent of AC power, was available to provide a backup source of cooling water to the available DG's in the event a ESW pump was unavailable.

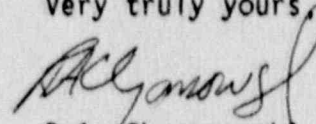
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The above items were discussed with Mr. Fred Manning of AEOD by Dr. Terrance Rieck, Technical Superintendent of Zion Station (708-746-2084 x2214). Please contact Dr. Rieck if you have any further questions.

Commonwealth Edison would appreciate the use of this new information to reevaluate the conclusions of the report.

Very truly yours,



R.A. Chrzanowski  
Nuclear Licensing Administrator

RAC:jma(7)

cc: Zion Resident Inspector  
Office of Nuclear Reactor Safety IDNS  
T.M. Novak - AEOD  
C. Patel - NRR  
Region III Office