



**Commonwealth Edison**

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November 30, 1989

Director of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Stop PI-137  
Washington, DC 20555

Subject: Zion Nuclear Power Station Units 1 and 2  
Facility Operating License Nos. DPR-39 and  
DPR-48, Topical Report - PWR Reload Safety  
Evaluation Methodology  
NRC Docket Nos. 50-295 and 50-304

Dear Sir:

Commonwealth Edison Company (CECo) is in the process of establishing an internal departmental capability to perform various fuel reload safety analyses. Previously these analyses were performed through a contracted service, however, the personnel expertise required to provide this service does exist within our own organization. Prior to implementation of the new process, however, your approval of our proposed methodology is required.

Our methodology will be provided to you through four separate and independent submittals. The first submittal which addressed DNBR calculations was made in late 1988. The attachment to this letter contains our second submittal. Enclosed, please find one copy of the report entitled, "Transient Analysis Envelope for Zion Units 1 and 2", dated November, 1989. This document provides a rework of the FSAR Chapter 14 accident scenarios, with the exception of Rod Ejection and LOCA, in order to generate a new envelope of safety analysis required for 10 CFR 50.59 evaluations. This document also clearly defines the assumptions and limits for each event.

Two additional copies of the report are also provided for your review.

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The information contained in the reports is considered to be Proprietary Information by CECO. As such, CECO requests that this information be controlled in accordance with 10 CFR 2.790.

Please address any questions you may have regarding this matter to this office.

Very truly yours,

*S.C. Hunsader*  
for G.E. Trzyna  
Nuclear Licensing Administrator

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Enclosures

cc: Senior Resident Inspector, Zion - w/o Encl.  
C. Patel - Project Manager, NRR - w/Encl.