

Commonwealth Edison Company
Zion Generating Station
101 Shiloh Boulevard
Zion, IL 60099-2797
Tel 847-746-2084

SCD / ACK

ComEd

April 18, 1997

Mr. A. B. Beach
Regional Administrator
NRC Region III
801 Warrenville Road
Lisle, Illinois 60532-4351

Subject: February 21, 1997, Reactivity Management Event Investigation Report;
Zion Nuclear Power Station Units 1 and 2;
NRC Docket Numbers 50-295 and 50-304

Reference: Confirmatory Action Letter, RIII-97-002, from A. B. Beach (USNRC) to
J. H. Mueller (ComEd), dated February 25, 1997

Dear Mr. Beach:

As a result of the reactivity management concerns involved in the shutdown of Zion Station Unit 1 on February 21, 1997, Commonwealth Edison (ComEd) initiated an investigation into the circumstances and causes of the event. A multidisciplinary team from the Braidwood, Dresden, and Zion Stations was assembled under the direction of John C. Brons, Vice President of Nuclear Support. The team's investigation was also observed by representatives of the Institute of Nuclear Power Operations (INPO).

The team has concluded its investigation and has issued its report, "Results of Level I Investigation at Zion Station", dated April 18, 1997, a copy of which is enclosed. This report provides the investigation team's findings and conclusions regarding the actions taken during the Unit 1 shutdown on February 21, 1997. The investigation has identified a number of issues concerning supervisory oversight, communications, and execution of on-shift crew responsibilities.

To address weaknesses in Operations performance, Zion Station has performed an assessment of Operations Department personnel, including both management and union staff, and has developed an intensive training program to improve Operations performance.

These activities are part of a comprehensive plan to improve performance in Operations, support for Operations, and management systems. We will review this report and implement additional actions, as warranted, to address its findings. The NOD is also

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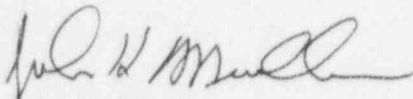
page 2 of 2

formulating a plan to ensure that the lessons to be learned from this event are understood at all six of ComEd's nuclear stations.

The completion of the investigation satisfies commitment (2) of the Referenced letter. Submitting this report to you also satisfies, in part, commitment (4) of the Referenced letter which requires that our investigation results be documented and provided to the NRC for review.

If you have any questions or desire further information, please contact me at 847-746-2084 extension 3600.

Sincerely,



John H. Mueller
Site Vice President
Zion Station

Enclosure

cc: Senior Project Manager, USNRC - NRR Project Directorate III-2
Senior Resident Inspector, Zion Nuclear Station
Office of Nuclear Facility Safety - IDNS
NRC Document Control Desk