Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

July 15, 1994

Mr. William T. Russell, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Dresden Nuclear Power Station Units 2 and 3
Quad Cities Nuclear Power Station Units 1 and 2
Confirmatory Analysis for Main Steamline Break
Related to the Core Shroud Cracking Issue
NRC Docket Nos. 50-237/249 and 50-254/265

Reference: Meeting between Commonwealth Edison (J.Williams, P. Piet, et.al.,) and the NRC staff (Capra, Rubin, et.al.), dated June 21, 1994.

Mr. Russell:

In the referenced meeting, Commonwealth Edison (ComEd) committed to provide to the NRC staff the results of a confirmatory analysis of the core shroud lifting forces during a Main Steamline Break inside containment. The purpose of this letter is to provide the aforementioned analysis.

ComEd used the RETRAN2 computer code to model the event. The results of ComEd's analysis confirm the validity and conservatisms of the UFSAR analytical results. This calculation utilized best estimate techniques and is not intended to supersede the design basis analyses of record for Dresden and Quad Cities Stations.

To the best of my knowledge and belief, the statements contained in this response are true and correct. In some respects, these statements are not based on my personal knowledge, but obtained information furnished by other Commonwealth Edison employees, contractor employees, and consultants. Such information has been reviewed in accordance with company practice and I believe it to be reliable.

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Please direct any questions you may have concerning this response to this office.

Sincerely,

Peter L. Piet
Nuclear Licensing Administrator

Attachment: Main Steamline Break Inside Containment Analysis

cc: J.B. Martin, Regional Administrator - RIII
J. Stang, Project Manager - NRR
C. Patel, Project Manager - NRR
A. Cubbage - NRR
C. Miller, Senior Resident Inspector - Quad Cities
M. Leach, Senior Resident Inspector - Dresden
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