



Commonwealth Edison
1400 Opus Place
Downers Grove, Illinois 60515

July 8, 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 Unit 3
Quad Cities Nuclear Power Station Unit 1
Shroud Cracking Issue Response to Request for Additional Information (RAI)
NRC Docket No. 50-249 and 50-254

References: See Attached.

Dear Mr. Russell:

In the Reference (e) letter, the NRC staff requested additional information from Commonwealth Edison (ComEd) in writing by Monday, June 27, 1994, regarding the core shroud cracking at Dresden and Quad Cities Stations. Responses to these questions are included as an attachment to this letter. This letter supersedes all information previously provided in response to these questions.

Our response to question RS-3 raised by the NRC staff in the Reference (e) letter will not be complete by June 27, 1994. ComEd's response to question RS-3 will be supplemented at a later date.

In addition, the NRC staff previously requested information regarding the core shroud cracking at Dresden and Quad Cities Stations in the Reference (a) letter. ComEd responded to those questions in References (b) and (c). ComEd also provided supporting information regarding the core shroud cracking at Dresden and Quad Cities in References (f), (g) and (i).

ComEd met with the NRC staff (Reference (d)) to further discuss issues related to the core shroud cracking. As a result of these meetings, the NRC staff requested supplemental information regarding the ultrasonic examination methods used at Dresden Unit 3 and Quad Cities Unit 1 that address core shroud cracking at the H5 weld. ComEd supplemented material presented in the Reference (d) meeting and further presented the exclusion zone approach in the Reference (h) letter.

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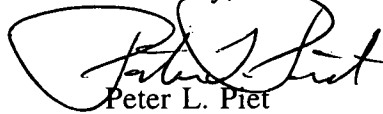
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As previously discussed, the nature of the NRC staff's questions raised certain issues not normally considered for the design basis or licensing basis determination for Dresden and Quad Cities Stations. Therefore, additional analytical methodologies and evaluation techniques were performed by ComEd and its contractor employees to respond to a portion of the Reference (e) RAI.

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 ComEd employees, contractor employees, and consultants. Such information has been reviewed in accordance with company practice, and I believe it to be reliable.

Sincerely,



Peter L. Piet

Nuclear Licensing Administrator

Attachment: Response to NRR Request for Additional Information (dated June 23, 1994)
Concerning Core Shroud Cracking at Dresden Unit 3 and Quad Cities Unit 1.

cc: J. Martin, Regional Administrator - RIII
J. Stang, Project Manager Dresden - NRR
C. Patel, Project Manager Quad Cities - NRR
M. Leach, Senior Resident Inspector - Dresden
C. Miller, Senior Resident Inspector - Quad Cities
Office of Nuclear Facility Safety - IDNS

REFERENCES

- (a) NRC letter (J. Stang) to ComEd (D. Farrar), "Request for Additional Information Concerning Core Shroud Cracking at Dresden, Unit 2 and 3 and Quad Cities Unit 1 and 2," dated May 6, 1994.
- (b) ComEd letter (M. Lyster) to the NRC (W. Russell), "Dresden Nuclear Power Station Units 2 and 3, Quad Cities Nuclear Power Station Units 1 and 2, Response to Request for Additional Information (RAI), NRC Docket Nos. 50-237/249 and 50-254/265," dated June 6, 1994.
- (c) ComEd letter (M. Lyster) letter to NRC (W. Russell), "Supplemental Response to Request for Additional Information Concerning Core Shroud Cracking at Dresden, Units 2 and 3, and Quad Cities, Units 1 and 2," dated June 13, 1994.
- (d) Meeting between USNRC (J. Stang, et. al.) and ComEd (J. Williams, B. Walsh, P. Piet, et. al.) on June 21 and 22, 1994.
- (e) NRC letter (J. Stang) to ComEd (D. Farrar), "Request for Additional Information Concerning Core Shroud Cracking at Dresden, Unit 3 and Quad Cities, Unit 1," dated June 23, 1994
- (f) ComEd letter (M. Lyster) to the NRC (W. Russell), "Analytical Evaluation of Core Shroud Cracking Identified at Dresden Nuclear Power Station Unit 3, NRC Docket No. 50-249," dated June 13, 1994.
- (g) ComEd letter (B. Walsh) to the NRC (W. Russell), "Analytical Evaluation of Cracking Identified at Quad Cities Nuclear Power Station Unit 1, NRC Docket No. 50-254," dated June 13, 1994.
- (h) ComEd letter (M. Lyster) to the NRC (W. Russell), "Clarification of Ultrasonic Examination Methods Used at Dresden Unit 3 and Quad Cities Unit 1 to Address Core Shroud Cracking at the H5 Weld," dated June 24, 1994.
- (i) ComEd letter (J. Williams) to NRC (W. Russell), "Ultrasonic Data Reports and Flaw Indication Maps for the H5 Welds at Dresden, Unit 3, and Quad Cities, Unit 1, NRC Docket No. 50-249 and 50-254," dated June 14, 1994.
- (j) Dresden Station Units 2 and 3 submitted by ComEd letter dated January 28, 1993 to T. Murley, NRR Director, NRC Docket Nos. 50-237 and 50-249
- (k) Quad Cities Station Units 1 and 2 submitted by ComEd letter dated December 13, 1993 to T. Murley, NRR Director, NRC Docket Nos. 50-254 and 50-265.