

UNITED STATES NUCLEAR REGULATORY COMMISSION WASHINGTON, D.C. 20555-0001

Docket File 50-237/265

September 27, 1994

Mr. D. L. Farrar Manager, Nuclear Regulatory Services Commonwealth Edison Company Executive Towers West III, Suite 500 1400 OPUS Place Downers Grove, Illinois 60515

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION CONCERNING GENERIC LETTER 94-03, "INTERGRANULAR STRESS CORROSION CRACKING OF CORE SHROUDS IN BOILING WATER REACTORS" (TAC NOS. M90088 AND M90110)

Dear Mr. Farrar:

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PDR

ADOCK 05000237

PDR

By letter dated July 25, 1994, the NRC issued Generic Letter (GL) 94-03, "Intergranular Stress Corrosion Cracking of Core Shrouds in Boiling Water Reactors." The purpose of the generic letter was to request each licensee to inspect the core shroud no later than the next refueling outage, and perform a safety analysis supporting continued operation of the facility until inspections are conducted.

By letter dated August 23, 1994, ComEd responded to the GL. The NRC staff has reviewed the response for Dresden Unit 2 and Quad Cities Unit 2 and found the response to be incomplete concerning the safety analysis supporting continued operation of the units. Enclosed is a request for additional information (RAI) which is required in order for the staff to complete its review of your response to GL 94-03. We request that you provide a response within 10 days from the date of this letter.

The reporting and/or record keeping requirements contained in this letter affect fewer than ten respondents; therefore, OMB clearance is not required under P.L. 96-511.

NRC FILE CENTER COPY

D. L. Farrar

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September 27, 1994

If you have any questions, please contact me at 504-1345.

Sincerely,

Original signed by:

John F. Stang, Project Manager Project Directorate III-2 Division of Reactor Projects III/IV Office of Nuclear Reactor Regulation

Docket Nos. 50-237 and 50-265

Enclosure: Request for Additional Information

cc w/encl: See next page

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Mr. D. L. Farrar Commonwealth Edison Company

cc:

Michael I. Miller, Esquire Sidley and Austin One First National Plaza Chicago, Illinois 60690

Mr. J. Stephen Perry Site Vice President Dresden Nuclear Power Station 6500 North Dresden Road Morris, Illinois 60450-9765

Mr. J. Eenigenburg Station Manager, Unit 2 Dresden Nuclear Power Station 6500 North Dresden Road Morris, Illinois 60450-9765

Mr. D. Bax Station Manager, Unit 3 Dresden Nuclear Power Station 6500 North Dresden Road Morris, Illinois 60450-9765

U.S. Nuclear Regulatory Commission Resident Inspectors Office Dresden Station 6500 North Dresden Road Morris, Illinois 60450-9766

Regional Administrator U.S. NRC, Region III 801 Warrenville Road Lisle, Illinois 60532-4351

Illinois Department of Nuclear Safety Office of Nuclear Facility Safety 1035 Outer Park Drive Springfield, Illinois 62704

Chairman Grundy County Board Administration Building 1320 Union Street Morris, Illinois 60450 Dresden Nuclear Power Station Unit Nos. 2 and 3 Mr. D. L. Farrar Commonwealth Edison Company

cc:

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Mr. Stephen E. Shelton Vice President Iowa-Illinois Gas and Electric Company P. O. Box 4350 Davenport, Iowa 52808

Michael I. Miller, Esquire Sidley and Austin One First National Plaza Chicago, Illinois 60690

Mr. Guy Campbell Station Manager Quad Cities Nuclear Power Station 22710 206th Avenue North Cordova, Illinois 61242

Quad Cities Resident Inspectors Office U.S. Nuclear Regulatory Commission 22712 206th Avenue North Cordova, Illinois 61242

Chairman Rock Island County Board of Supervisors 1504 3rd Avenue Rock Island County Office Bldg. Rock Island, Illinois 61201

Illinois Department of Nuclear Safety Office of Nuclear Facility Safety 1035 Outer Park Drive Springfield, Illinois 62704

Regional Administrator U.S. NRC, Region III 801 Warrenville Road Lisle, Illinois 60532-4351 Quad Cities Nuclear Power Station Unit Nos. 1 and 2



REQUEST FOR ADDITIONAL INFORMATION CONCERNING

GENERIC LETTER 94-03 INTERGRANULAR STRESS CORROSION CRACKING OF

CORE SHROUDS IN BOILING WATER REACTORS FOR

DRESDEN UNIT 2 AND QUAD CITIES UNIT 2

After reviewing the licensee's response to Generic Letter (GL) 94-03, the staff found that the response to reporting requirement 1b concerning a safety analysis supporting continued operation of the units until inspections are conducted was not complete. Your response referenced only the previous analysis which was performed for the H5 weld for Dresden Unit 3 and Quad Cities Unit 1. That analysis was reviewed and approved by the NRC staff for operation for up to 15 months for the existing 360 circumferential cracks in the H5 weld of the core shroud found at recent core shroud inspections during the Dresden Unit 3 and Quad Cities Unit 1 refueling outages. Your response indicated that for Dresden Unit 2 and Quad Cities Unit 2 the worse case possible cracking of the core shrouds would be at the H5 welds. The staff cannot rule out that other welds in Dresden Unit 2 and Quad Cities Unit 2 may have worse case possible cracking. Therefore, in order to evaluate your basis for continued operation, the staff requires that Commonwealth Edison Company provide a detailed assessment as required by 1b of GL 94-03 for the H2/H3 weld location of the core shroud for Dresden Unit 2 and Quad Cities Unit 2. The analysis should provide the shroud response to the structural loadings resulting from design basis events (e.g., steam line break, recirculation line break, seismic loads, and combined accident and seismic loads), and assess the ability of the plants' safety features to perform their intended functions considering the shroud response to structural loadings (e.g., control rod insertion, ECCS injection).