



Commonwealth Edison
 One First National Plaza, Chicago, Illinois
 Address Reply to: Post Office Box 767
 Chicago, Illinois 60690

REGULATORY DOCKET FILE COPY

September 26, 1978

REGULATORY SERVICES UNIT

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REGULATORY SERVICES UNIT

Director of Nuclear Reactor Regulation
 U.S. Nuclear Regulatory Commission
 Washington, D.C. 20555

Subject: Additional Information for the Dresden Station Units 2 & 3 and Quad-Cities Station Unit 2 Proposed Amendment to Facility Operating License Nos. DPR-19, DPR-25 and DPR-29 Regarding Revised MCPR Operating Limits
NRC Docket Nos. 50-237/249 and 50-265

- References (a): C. Reed letter to Harold R. Denton dated August 24, 1978 transmitting proposed license amendments that revise MCPR Operating Limits for Dresden Units 2 & 3 and Quad-Cities Unit 2
- (b): H. A. Zimmerman letter to R. L. Kraatz dated April 13, 1978 transmitting Dresden 3 Cycle 6 and Quad-Cities 2 Cycle 4 misplaced bundle MCPRs

Dear Sir:

Per a September 25, 1978 telephone conversation, the NRC Staff requested additional information from Commonwealth Edison Company concerning the proposed license amendments of Reference (a). More specifically, the NRC Staff requires additional information in support of the requested MCPR operating limits for Quad-Cities Unit 2 Reload 3 Cycle 4 and Dresden Unit 3 Reload 5 Cycle 6.

As indicated in Reference (b) (attached), the required minimum initial conditions which would preclude an MCPR less than 1.06 in the worst event of a fresh 8x8 bundle misloaded into an exposed 7x7 core location are 1.21 and 1.29 for Dresden Unit 3 and Quad-Cities Unit 2, respectively. However, since the Rod Withdrawal Error analysis for Dresden Unit 3 requires an initial 7x7 MCPR condition of at least 1.29, the table in Reference (a) reflects a

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limit relaxation to 1.29 as opposed to the loading error accident value of 1.21. For Quad-Cities Unit 2, the Rod Withdrawal Error analysis requires an initial 7x7 MCPR condition of at least 1.28. Therefore, in this case, the loading error accident value of 1.29 is more limiting and constitutes a penalty of 0.01 Δ CPR over the 7x7 limit for abnormal operating transients.

Please address any additional questions that you might have to this office.

One (1) signed original and fifty-nine (59) copies of this letter are provided for your use.

Very truly yours,



William F. Naughton
Nuclear Licensing Administrator
Pressurized Water Reactors

attachment

ATTACHMENT
GENERAL ELECTRIC

**INSTALLATION AND
SERVICE ENGINEERING
DEPARTMENT**
WRITER'S DIRECT DIAL NUMBER
(312) 986-3199

GENERAL ELECTRIC COMPANY, 2015 SPRING ROAD, OAK BROOK, ILL. 60521
Phone (312) 986-3000.

**DRESDEN 3/CYCLE 6 AND QUAD CITIES 2/CYCLE 4
MISPLACED BUNDLE MCPRs**

April 13, 1978

Mr. R. E. Kraatz
Senior Fuel Engineer
Commonwealth Edison Company
One First National Plaza
P.O. Box 767
Chicago, Illinois 60690

Dear Mr. Kraatz:

In response to your letter of February 14, 1978, the values of the initial MCPR necessary to preclude violation of the Safety Limit MCPR in the worst event of a fresh 8x8 bundle misloaded into an exposed 7x7 core location.

For Dresden 3/Cycle 6 (Reload 5) is 1.21, and

For Quad Cities 2/Cycle 4 (Reload 3) is 1.29

We are preparing an invoice for \$ and will forward it to you in the next few weeks.

Very truly yours,



H. A. Zimmerman-PROJECT APPLICATION ENGINEER
HAZ:bg MECHANICAL & NUCLEAR SERVICE