



**Commonwealth Edison**  
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Chicago, Illinois 60690

February 4, 1985

Mr. Harold R. Denton, Director  
Office of Nuclear Reactor Regulation  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555

Subject: Quad Cities Station Unit 2  
Proposed MAPLHGR Technical  
Specification Change for  
Operating License DPR-30  
NRC Docket No. 50-265

- References (a): Loss of Coolant Accident Analysis  
Report for Dresden Units 2, 3 and  
Quad Cities Units 1 and 2 Nuclear  
Power Station, NEDO-24146A, as amended  
thru E&A Sheet 13 dated January 1985.
- (b): Letter from R. E. Engel (CE) to T. A.  
Ippolito (NRC), dated May 28, 1981  
(Additional Information Regarding Extension  
of Emergency Core Cooling System Performance  
Limits).

Dear Mr. Denton:

Pursuant to 10 CFR 50.59 Commonwealth Edison proposes to amend Appendix A to the Operating License DPR-30 for Quad Cities Station Unit 2. This change requests an extension of certain MAPLHGR curves and the addition of 2 curves. All MAPLHGR curves (Figure 3.5-i sheets 1 thru 6) are enclosed in Attachment 1. The individual changes are noted in the following paragraphs.

The curve for fuel types P8DRB265H and BF8DRB265H (Sheet 3) was extended from a burnup of 30,000 MWD/ST to 45,000 MWD/ST. The values used are those in Table 4J of NEDO-24146A, E&A Sheet 10 (enclosed as Attachment 2). This extension meets the NRC requirements for adjustment of MAPLHGR limits to allow for enhanced fission gas release at high burnups as discussed in Reference (b).

Curves for fuel types BP8DRB282 and BP8DRB283H were added as Sheet 6. The values were taken from the E&A Sheet 13 (Attachment 3). Upon approval of these proposed changes, CECO intends to incorporate these fuel types in Quad Cities Unit 2 Reload 7 Cycle 8 under the provisions of 10 CFR 50.59.

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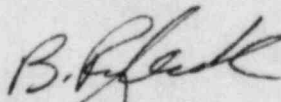
The other curves of Figure 3.5-1 contain the same values as the previous revision. The only change to Sheets 1, 2, 4, and 5 is the total number of sheets listed in the title as Sheet 6 was added. The curve P8DRB239 on Sheet 3 had the scale for burnup altered to be consistent with the curve for P8DRB265H and BP8DRB265H on the same sheet.

The proposed Technical Specification changes have received both On-Site and Off-Site review and approval. We have reviewed this amendment request and find that no significant hazards consideration exists as documented in Attachment 4. Commonwealth Edison is notifying the State of Illinois of our request for this amendment by transmittal of a copy of this letter and its attachments to the designated State of Illinois.

In accordance with 10 CFR 170, a fee remittance in the amount of \$150.00 is enclosed. Please direct any questions you may have concerning this matter to this office.

Three (3) signed original and thirty-seven (37) copies of this letter and its attachments are provided for your use.

Very truly yours,



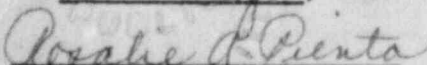
B. Rybak  
Nuclear Licensing Administrator

lm

cc: Region III Inspector - Quad Cities  
M. Parker - Ill  
R. Bevan - NRR

- Attachments 1): MAPLINGR Curves Figure 3.5-1 Sheets 1 thru 6
- 2): E&A Sheet No. 10 dated April, 1983.
- 3): E&A Sheet No. 13 dated January, 1985.
- 4): NSHC Determination

SUBSCRIBED AND SWORN to  
before me this 4th day  
of February, 1985

  
Notary Public

ATTACHMENT 1

Revised MAPLHGR Curves for Quad Cities Unit 2

Figure 3.5-1, Sheets 1 through 6

Maximum Average Planar Linear Heat Generation Rate (MAPLHGR) vs.  
Planar Average Exposure