



Commonwealth Edison

Quad Cities Nuclear Power Station
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May 31, 1994

Mr. William T. Russell
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Attn: Document Control Desk

Subject: Quad Cities Station Unit 1
Revised Cycle 14 Core Operating Limits Report
NRC Docket No. 50-254

Mr. Russell:

Quad Cities Unit 1, which has recently completed its thirteenth cycle of operation, is currently preparing for Cycle 14 startup (estimated startup date is July 3, 1994). The purpose of this letter is to advise you of Commonwealth Edison's (CECo's) review of the Quad Cities Unit 1 Cycle 14 reload under the provisions of 10CFR50.59, and to transmit the Core Operating Limits Report (COLR) for the upcoming cycle (Q1C14) consistent with Generic Letter 88-16.

The Quad Cities Unit 1 core, which consists of NRC approved fuel designs, was designated to operate within approved fuel design criteria, Technical Specifications and related bases such that:

- Core operating characteristics will be equivalent to or less limiting than those previously reviewed and accepted; or
- reanalysis has been performed to demonstrate that the limiting postulated FSAR events which could be affected by the reload are within allowable limits.

Consistent with past reloads, the reload licensing analyses performed for Quad Cities Unit 1 Cycle 14 utilized NRC approved methodologies. The cycle-specific power distribution limits for Cycle 14 are presented in the attachment.

Commonwealth Edison has performed a detailed review of the relevant reload licensing documents, the associated bases, and references. Based on that review, CECo prepared a safety evaluation as required by 10CFR50.59. This safety evaluation has been approved by On-Site and Off-Site Review functions in accordance with approved CECo procedures. **CECo has concluded that the revised Q1C14 reload presents no unreviewed safety questions. The revision to the current Quad Cities Unit 1 Technical Specifications for increasing the Safety Limit MCPR from 1.06 to 1.07 has been previously submitted (OSR 93-52).**

Finally, further verification of the reload core design will be performed during Q1C14 startup testing. The startup tests will be consistent with Technical Specifications

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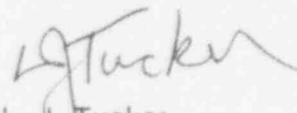
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and testing recommended in Draft Regulatory Guide Task SC 521-4. As in the past, a summary of the results of key startup tests will be submitted within 90 days following the resumption of commercial operation.

Based on the previous discussions, CECO has concluded that NRC review and approval of the reload analysis is not required for resumption of operation of Quad Cities Unit 1 with the Cycle 14 core.

If there are any further questions regarding the matter, please contact this office.

Very truly yours,

BRJ

L. J. Tucker
Technical Superintendent
Quad Cities Station

Attachment - Core Operating Limits Report for Quad Cities Unit 1 Cycle 14

cc: J.B. Martin - Regional Administrator, RIII
C. Patel- Quad Cities Project Manager, NRR
C. Miller - Senior Resident Inspector, Quad Cities