



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

December 3, 1980

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

Subject: Zion Station Units 1 and 2
Proposed Change to Facility Operating
License Nos. DPR-39 and DPR-48
NRC Docket Nos. 50-295 and 50-304

- References (a): October 27, 1980, letter from C. Reed to Director of Nuclear Reactor Regulation proposing changes to rod bow penalty curve and clad collapse limits.
- (b): November 21, 1978, letter from C. Reed to H. Denton providing additional information.
- (c): December 19, 1978, letter from A. Schwencer to C. Reed limiting scope of review.
- (d): February 13, 1979, letter from C. Reed to H. Denton providing additional information.
- (e): March 7, 1979, letter from A. Schwencer to C. Reed transmitting Operating License Amendments.

Dear Mr. Denton:

Pursuant to the requirements of 10 CFR 50.90 Commonwealth Edison Company hereby requests a change to Operating License Nos. DPR-39 and DPR-48, Appendix A, Technical Specifications. The purpose of this amendment is to permit use of a maximum of four extended burnup fuel assemblies in the Zion 1 cycle 6 reload. The proposed changes are contained in Attachment 1 of this letter.

Reference (e) approved use of these Zion 1 fuel assemblies in Zion 2 for a maximum of two additional cycles as part of an extended burnup demonstration program. The first additional cycle was completed in May, 1980, but planned inspections of these assemblies precluded their use in the subsequent Zion 2 fuel cycle. The next available reload is Zion 1 cycle 6. The proposed Technical Specification changes are necessary to permit the second additional cycle to be in Zion 1 instead of Zion 2.

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It is important that these assemblies be used in the next reload because this extended burnup demonstration program involves contractual arrangements and funding with DOE, EPRI, Westinghouse and Commonwealth Edison. Funds are available for only a limited time to do the post-irradiation examination of these assemblies at Battelle Columbus under joint contract with Westinghouse and Empire State Electric Energy Research Corporation. Among other things, these exams will determine the actual fission gas release and provide verification of analytical gas release models.

It is requested that these Technical Specifications be reviewed on a schedule compatible with our plan to begin the Zion 1 fuel moves on February 1, 1981.

These changes have been reviewed by Commonwealth Edison's On-site and Off-site Review with the conclusion that there are no unreviewed safety questions. In references (a), (b), and (d) Commonwealth Edison demonstrated that the assemblies could be used in either Zion 1 or 2. Similarly, the NRC Safety Evaluation contained in reference (e) identified no concern relative to use in either Zion unit. However, because these assemblies were part of a limited demonstration program the NRC approval limited the number of assemblies and specified a reactor. Changing the Technical Specifications to permit use in Zion 1 involves no new safety questions and is considered to be an administrative change.

Accordingly, Commonwealth Edison has determined pursuant to 10 CFR 170 that the proposed changes constitute a combined class I and Class II amendment. As such, a fee remittance in the amount of \$1,600 is enclosed.

Please address any questions that you may have concerning this matter to my office.

Three (3) signed originals and thirty-seven (37) copies of this transmittal are provided for your use.

Very truly yours,

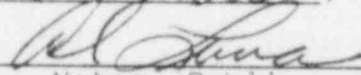
T. R. Tramm

T. R. Tramm
Nuclear Licensing Administrator
Pressurized Water Reactors

Attachments

cc: Resident Office - Zion

SUBSCRIBED and SWORN to
before me this 4th day
of December, 1980



Notary Public

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