



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

August 15, 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

Dear Mr. Denton:

Pursuant to 10 CFR 50.90, Commonwealth Edison Company hereby requests an immediate temporary change to Facility Operating License Nos. DPR-39 and DPR-48. The purpose of this amendment is to allow continued operation of the Zion units while maintenance is performed on circulating water pumps during the next sixteen months. The changes to the Zion Technical Specifications proposed by Commonwealth Edison are contained in Attachment 1. The basis for this temporary change follows.

Commonwealth Edison has determined that each of the six Zion circulating water pumps should be overhauled during the next sixteen months. It is expected that each pump will be out of service for about 90 days. The overhaul of each pump will require draining the associated forebay which is shared with a service water pump. Thus, the overhaul will disable a service water pump. Under the current technical specifications, a return to operability of the service water pump or unit shutdown is required in seven days. Thus, a change to the Zion Technical Specifications is needed.

The proposed change of Attachment 1, which will allow one of the six service water pumps to be out of service indefinitely and two of the six service water pumps to be out of service for 7 days, is temporary. The proposed change will expire on December 31, 1981. The current technical specifications allow one of the three service water pumps associated with each unit to be inoperable for 7 days.

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The Zion FSAR (Section 9.6 and Answer to Question 9.1) and the October 6, 1972 NRC SER (pages 9-5 and 9-6) state that only two service water pumps are required for a unit in normal operation and that only one service water pump is required for emergency shutdown or accident conditions. In addition, the power supply is arranged so that one pump is on each of the six separate essential buses. The emergency requirements are less because during accident conditions various non-safety related flow paths are isolated.

Based on the above references, having five of six service water pumps in service will provide sufficient coverage for any postulated loss of coolant accident coincident with a loss of offsite power and any other single failure of an active component. In addition, during this period, the main 48-inch service water headers for each unit will be cross-tied, thus allowing service water requirements for a unit to be satisfied by pumps from either unit.

The proposed technical specification changes of Attachment 1 have been reviewed and approved by Commonwealth Edison On-Site and Off-site Review.

Commonwealth Edison has determined that this proposed amendment is a combined Class III and Class I Amendment per 10 CFR 170.22. As such, Commonwealth Edison has enclosed a fee remittance in the amount of \$4,400.00 for this proposed amendment. Commonwealth Edison has concluded that the proposed amendment change involves a single safety issue that does not involve a significant hazards consideration.

Since Zion Station has determined that the circulating water pump maintenance program should commence as soon as possible, Commonwealth Edison respectfully requests the NRC staff to expeditiously review and approve the proposed changes contained herein.

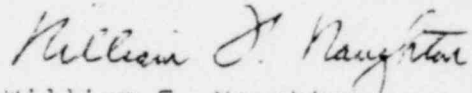
Please address any questions that you might have concerning this matter to this office.

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

Very truly yours,



William F. Naughton
Nuclear Licensing Administrator
Pressurized Water Reactors

JSA:WFN:rap

enclosure

attachments

SUBSCRIBED and SWORN to
before me this 15th, day
of _____, 1980

Notary Public

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