



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D.C. 20555-0001

May 6, 1994

Docket Nos. 50-295  
and 50-304

Mr. D. L. Farrar  
Manager, Nuclear Regulatory Services  
Commonwealth Edison Company  
Executive Towers West III, Suite 500  
1400 OPUS Place  
Downers Grove, Illinois 60515

Dear Mr. Farrar:

SUBJECT: SAFETY EVALUATION OF THE INSERVICE TESTING PROGRAM THIRD TEN-YEAR  
INTERVAL FOR PUMPS AND VALVES - ZION NUCLEAR POWER STATION UNITS 1  
AND 2 (TAC NOS. M87550 AND M87551)

The staff, with technical assistance from Brookhaven National Laboratory (BNL), has reviewed the information concerning inservice testing (IST) program submitted for the third ten-year intervals for the Zion Nuclear Power Station, Units 1 and 2, in a Commonwealth Edison Company (CECo or the licensee), request for relief dated August 31, 1993. The third ten-year interval for Unit 1, began on December 31, 1993, and ends on December 30, 2003. For Unit 2, the third ten-year interval begins on September 14, 1994 and ends on September 13, 2004.

The staff adopts the evaluations and recommendations for granting relief or authorizing alternatives contained in the enclosed Technical Evaluation Report (TER) (Enclosure 2) prepared by BNL, as reflected or modified in the enclosed Safety Evaluation (SE) (Enclosure 1). Relief is granted from or alternatives are authorized for the testing requirements which have been determined to be impractical to perform, where an alternative provides an acceptable level of quality and safety, or where compliance would result in a hardship or unusual difficulty without a compensating increase in quality or safety. The Zion Nuclear Power Station IST Program is based on the requirements in the 1989 Edition of American Society of Mechanical Engineers (ASME), Section XI, which references ASME *Operations and Maintenance (OM) Standard*, Part 6, for IST of pumps, and OM Standard, Part 10, for IST of valves. The relief requests were reviewed against the requirements of Part 6 for pumps and Part 10 for valves. A summary of the staff's action is provided in the Attachment (Table 1) of the enclosed SE. The test deferrals for valves which are in accordance with Part 10 have been reviewed and are summarized in the Attachments (Tables 4.1 and 4.2) of the TER.

The IST program relief requests which are granted or authorized are acceptable for implementation provided the action items identified in Section 5.0 of the TER are addressed within one year of the date of the SE or by the end of the next refueling outage, whichever is later, unless another period is specified. The granting of relief is based upon the fulfillment of any commitments made by the licensee in the basis for each relief request and the alternatives proposed. Where interim relief has been granted, the licensee should resolve the issues before expiration of the interim period. The licensee should

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inform the staff within one year of the date of this SE of the actions taken, actions in progress, or actions to be taken, to address each of these items.

Program changes involving new or revised relief requests should be submitted to the staff. New or revised relief requests that meet the positions in Generic Letter (GL) 89-04, Attachment 1, should be submitted to the staff but may be implemented provided the guidance in GL 89-04, Section D, is followed. Program changes that add or delete components from the IST program should also be periodically submitted to the staff.

Sincerely,

Original signed by:

Clyde Y. Shiraki, Project Manager  
Project Directorate III-2  
Division of Reactor Projects III/IV  
Office of Nuclear Reactor Regulation

Enclosures:

- 1. Safety Evaluation
- 2. Technical Evaluation Report

cc w/enclosures:  
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OPA	OC/LFDCB
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OFC	LA:PDIII-2	PM:PDIII-2	D:PDIII-2	OGC		
NAME	CHAWES <i>CH</i>	CSHIRAKI <i>C</i>	JDYER <i>J</i>	<i>CPW</i>		
DATE	4/25/94	5/12/94	5/12/94	5/13/94	1/94	1/94
COPY	(YES/NO)	(YES/NO)	YES/NO	YES/NO	YES/NO	YES/NO

Mr. D. L. Farrar

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COPY	(YES/NO)	(YES/NO)	YES/NO	YES/NO	YES/NO	YES/NO

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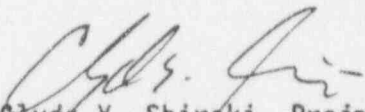
-2-

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Mr. D. L. Farrar  
Commonwealth Edison Company

Zion Nuclear Power Station  
Unit Nos. 1 and 2

cc:

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