



**Commonwealth Edison**

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October 23, 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  
Additional Information on Steam  
Generator J-Tube Installation  
NRC Docket Nos. 50-295 and 50-304

References (a): June 20, 1979, letter from Cordell Reed  
to A. Schwencer.

(b): October 1, 1980, letter from K. L. Graesser  
to J. G. Keppler.

Dear Mr. Denton:

In Reference (a), Commonwealth Edison Company confirmed its commitment that J-tubes would be installed in all the Zion Station steam generators at a rate of one steam generator per refueling outage. To date, Commonwealth Edison has installed J-tubes on 1C, 2C, and 2D steam generators with 1D planned for the next Unit 1 refueling outage scheduled to commence in January 1981.

Reference 2 contained Special Report 50-304/80-02 on the Zion Unit 2 water hammer event of September 4, 1980. As concluded in this report, the water hammer event was the same as previous events and with the installation of J-tubes the likelihood of such an event will be greatly reduced. In addition, procedure changes were made to first reduce, after unit trips, the auxiliary feedwater flow to those steam generators not equipped with J-tubes. By specifying the order of throttling, the procedure change should limit auxiliary feedwater flow transients in steam generators without J-tubes and thus also reduce the likelihood of future water hammer events.

After the water hammer event of September 4, 1980, Commonwealth Edison reassessed its schedule for J-tube installation. Noting that TMI modifications have the higher priority and contingent upon qualified manpower availability, Commonwealth Edison will make every effort to install J-tubes on 1D and 1A steam generators during the next Unit 1 refueling outage. The last steam generator, 1B, will be modified during the Spring 1982 refueling outage. Also contingent upon manpower requirements, a similar effort will be made to complete the Unit 2 modifications during the 1981 refueling outage, i.e., steam generators 2A and 2B.

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

One (1) signed original and thirty-nine (39) copies of this letter are provided for your use.

Very truly yours,



C. Reed  
Vice President

cc: Resident Office - Zion