

December 14, 1992

Docket No. 50-295

Mr. Thomas J. Kovach
Nuclear Licensing Manager
Commonwealth Edison Company-Suite 300
OPUS West III
1400 OPUS Place
Downers Grove, Illinois 60515

Dear Mr. Kovach:

SUBJECT: WESTINGHOUSE REASSESSMENT OF NRC BULLETIN 88-02 FOR ZION STATION,
UNIT 1 (TAC NO. 67332)

Zion Station Unit 1 was identified by Westinghouse as one of the plants requiring an update of the steam generator tube fatigue evaluations performed by Westinghouse in response to NRC Bulletin 88-02. The update was required as a result of NRC staff concerns regarding the accuracy of the antivibration bar insertion depth estimates and the associated flow peaking factor estimates. Your letter of October 15, 1992 provided the reassessment which concluded that no tubes have peaking ratios large enough to cause the stress ratio to be greater than unity and, therefore, are not expected to be susceptible to high-cycle fatigue rupture at the top tube support plate in a manner similar to the rupture which occurred at North Anna Unit No. 1.

The staff concludes that your actions resolve the issues identified in Bulletin 88-02 and are, therefore, acceptable. This finding is subject to the development of administrative controls by you to ensure that updated stress ratio and fatigue usage calculations are performed in the event of any significant changes to the steam generator operating parameters (e.g., steam pressure and flow, circulation ratio) relative to those assumed in the WCAP analysis. Implementation of the additional administrative controls may be subject to verification by an NRC staff inspection. If, for any reason, you do not plan to implement such administrative controls, please advise us within 30 days of receipt of this letter.

Your facility is no longer subject to the enhanced primary-to-secondary leak rate monitoring program required by item C.1 of the bulletin. This completes our action on this issue and closes TAC No. 67332.

Sincerely,

Original Signed By:

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

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Mr. Thomas J. Kovach
Commonwealth Edison Company
cc:

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