

COMBUSTION ENGINEERING

July 1, 1988
LD-88-049

Docket No. STN 50-470F

Mr. Guy Vissing, Project Manager
Standardization and Non-Power Reactor
Project Directorate
Office of Nuclear Regulation
Attn: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Subject: Steam Generator Tube Vibration Issue Closeout on the
CESSAR-F Docket

Reference: Letter, LD-87-052, A. E. Scherer (C-E) to F. J. Miraglia
(NRC), dated September 18, 1987

Dear Mr. Vissing:

The reference letter requested that the Steam Generator Tube Vibration Issue be closed on the Combustion Engineering Standard Safety Analysis Report - FSAR (CESSAR-F) docket. This letter reiterates that request and provides the additional technical documentation which was requested by NRC reviewers.

At a meeting held on January 27, 1988, C-E overviewed to NRC reviewers the initial System 80^R steam generator design program, the tube wear evaluation program resulting from the vibration-induced wear observed in the coldside corner region of Palo Verde Units 1 and 2, and the plugging, staking, inspection, and monitoring program which was implemented as the corrective measure. At the conclusion of C-E's presentation, the NRC reviewers that were present agreed that the issue could be closed for the System 80 plants which currently reference CESSAR-F (PVNGS 1, 2, 3 and WNP-3) provided specific, additional documentation is submitted for review.

In fulfillment of this request, we are submitting the attached material. Enclosure (1) overviews Combustion Engineering's tube wear evaluation program and the corrective actions which were taken. Enclosures (2) and (3), respectively, provide a CESSAR change package to document the potential for steam generator leakage to occur and the tube burst test results from the Bat Wing Evaluation Program. C-E believes this submittal fulfills our remaining requirements and that this issue is now resolved.

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All of the evidence to date continues to support the conclusion that no design changes are necessary to the operating steam generators in order to assure continued safe operation. We believe that the plugging, staking, monitoring, and inspection program provides an adequate level of safety for all plants which currently reference CESSAR-F.

Should you have any questions regarding this transmittal, please call me or T. L. Cameron of my staff at (203) 285-5217.

Very truly yours,

COMBUSTION ENGINEERING, INC.



A. E. Scherer
Director
Nuclear Licensing

AES:ss
Enclosures: As Stated