

Southern California Edison Company

P. O. BOX 800

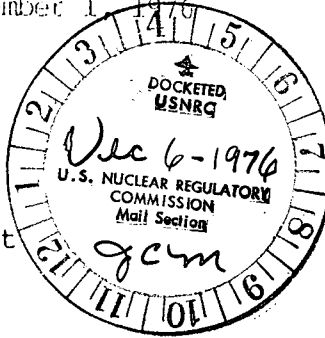
2244 WALNUT GROVE AVENUE  
ROSEMEAD, CALIFORNIA 91770

J. T. HEAD, JR.  
VICE PRESIDENT

December 1, 1976

**Regulatory Docket File**

U. S. Nuclear Regulatory Commission  
Region V  
Office of Inspection and Enforcement  
Suite 202 Walnut Creek Plaza  
1990 North California Boulevard  
Walnut Creek, California 94596



Docket No. 50-206

Attention: R. H. Engelken, Director

Dear Sir:

- References: (1) Letter from SCE (H. L. Ottoson) to USNRC Region V dated November 16, 1976; Antivibration Bar Indications
- (2) Letter from SCE (A. Arenal) to USNRC Region V dated November 15, 1976; Steam Generator Tube Examination

This letter provides the required follow-up information for reference (1) letter which discussed the preliminary results of a visual inspection conducted in the "C" steam generator. Indications were that abnormal degradation of some tubes and antivibration bars had occurred in the U bend area.

Two antivibration bars have now been removed from the "C" steam generator for detailed examination. Each bar exhibits several locations where the steam generator tubes have worn into the bar. In some cases, only 25% of the bar diameter remains. Other bars, examined in place, exhibit similar wear patterns. Metallurgical analysis on the bars removed from the steam generator is continuing but the wear appears to be the result of mechanical fretting between the bar and tubes.

It is our intention to correct this problem by the design and installation of additional antivibration bars with rectangular cross section. The design would be incorporated in all three steam generators. This design work is presently underway and will be reviewed by our Safety Committee. Following

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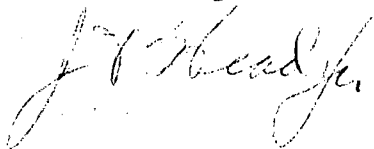
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this review, we will forward pertinent details of the new design and the findings made by the Safety Committee.

As indicated in reference (2), some 50 tubes will be plugged as a result of tube thinning in the antivibration bar area.

If you should require additional information on this matter, please let me know.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. V. Heady, Jr.", is written below the typed word "Sincerely,".