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SUBJECT: Advises of special rept re inservice insp of steam generator tubes. Eddy current insp of steam generator tubing completed on 870921. Two tubes found defective in Steam Generator E-089. Complete results of insp submitted by 880920.

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October 5, 1987

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Subject: Docket No. 50-361  
Special Report  
Inservice Inspection of Steam Generator Tubes  
San Onofre Nuclear Generating Station, Unit 2

Reference: Letter from M. O. Medford (SCE) to Mr. G. W. Knighton (USNRC)  
dated April 5, 1985

Pursuant to Surveillance Requirement 4.4.4.5(a) of Appendix A, Technical Specifications to Facility Operating License NPF-10, this report is being submitted to the Commission following the completion of inservice inspection of steam generator tubes at San Onofre Unit 2.

Eddy current inspection of the steam generator tubing was completed on September 21, 1987. A total of 1,228 tubes (6.7 % of the tubes in service) in two steam generators were inspected full length and 141 tubes were removed from service by mechanical plugging.

In steam generator E-088, 364 tubes were inspected. No tubes were found to be defective. Sixty tubes were preventively plugged due to the wear mechanism previously described in the reference. Additionally, one tube was preventively plugged due to previous degradation.

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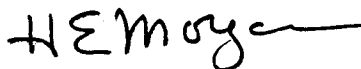
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In steam generator E-089, 864 tubes were inspected. Two tubes found to be defective due to the wear mechanism previously described in the reference, were plugged. One additional tube was found to be defective and was plugged; however, a comparison of eddy current results from the previous inspection and this inspection showed no growth of the flaw. Therefore, as provided for in Technical Specification 4.4.4.2, only a C-2 program expansion was necessary. Seventy three tubes were preventively plugged due to the wear mechanism previously described in the reference. Additionally, four tubes were preventively plugged due to previous degradation.

As required by Surveillance Requirement 4.4.4.5(b), complete results of the recently completed inservice inspection will be submitted to the Commission by September 20, 1988.

If you require any additional information, please so advise.

Sincerely,



cc: J. B. Martin (Regional Administrator, USNRC Region V)  
F. R. Huey (USNRC Senior Resident Inspector, Units 1, 2 and 3)  
H. Rood (Project Manager, SONGS 2/3, USNRC, NRR)

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