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SUBJECT: Supplemental special rept: on 870821, exam of steam generator  
 E-088 revealed two metal pieces lodged between tubes in  
 periphery. Objects appear to have been in generator since  
 const. Metal pieces removed & tubes examined.

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November 9, 1987

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

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

Reference: Letter from H. E. Morgan (SCE) to USNRC Document Control Desk  
dated October 5, 1987

This report is being submitted to the Commission to provide information associated with a supplemental examination of steam generator E-088 at San Onofre Unit 2 resulting from the discovery of two foreign objects in the steam generator.

As reported in the reference, eddy current inspection of the steam generator tubing was completed on September 21, 1987. Subsequent to the completion of sludge lancing, visual inspection of the secondary side on both steam generators was conducted. On steam generator E-088, the inspection found two metal pieces lodged between the tubes in the periphery near the tubesheet. Although the source of the material has not been identified, due to the size of the metal pieces, it is believed these objects have been in the steam generator since original construction. No foreign objects were found on steam generator E-089.

The metal pieces were removed and 155 steam generator tubes surrounding the location of the metal pieces were examined through the first outlet end tube support using eddy current testing. One of the tubes examined was determined to be defective and was removed from service by mechanical plugging.

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If you require any additional information, please so advise.

Sincerely,

*HEM*

cc: J. B. Martin (Regional Administrator, USNRC Region V)  
F. R. Huey (USNRC Senior Resident Inspector, Units 1,2 and 3)  
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