



South Texas Project Electric Generating Station P.O. Box 289 Wadsworth, Texas 77483

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December 27, 2003  
NOC-AE-03001658  
10CFR50.90

U. S. Nuclear Regulatory Commission  
Attention: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

South Texas Project  
Unit 2  
Docket No. STN 50-499  
Supplement 1 to Proposed Emergency Change to Technical Specification 3.8.1.1 Note 12

Reference: 1. Letter from G. L. Parkey to NRC Document Control Desk dated December 27, 2003, "Proposed Emergency Change to Technical Specification 3.8.1.1 Note 12" (NOC-AE-03001657)

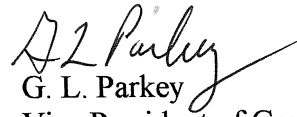
In the referenced letter, STP Nuclear Operating Company (STPNOC) submitted a proposed emergency amendment to the STP Unit 2 Operating License NPF-80. The proposed changes to the Technical Specifications (TS) revised TS 3.8.1, "AC Sources – Operating," extending the allowed outage time (AOT) for Unit 2 Standby Diesel Generator (SDG) 22 from 21 days to 113 days.

This letter responds to a request for additional information regarding the Non-Destructive Examination (NDE) technique, Manual Phased Array Examination, used on both Unit 1 and Unit 2 SDGs connecting rod assemblies. Attachment 1 provides close-up photos of the calibration standard used for this NDE process.

If there are any questions regarding this response, please contact Mr. Michael Lashley at (361) 972-7523.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on December 27, 2003  
date



G. L. Parkey  
Vice President of Generation

jal/

Attachments:

1. Manual Phased Array Examination Photos

cc:

(paper copy)

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## **ATTACHMENT 1**

### **Manual Phased Array Examination Photos**



Fig 1. Overview of calibration standard cut from #8

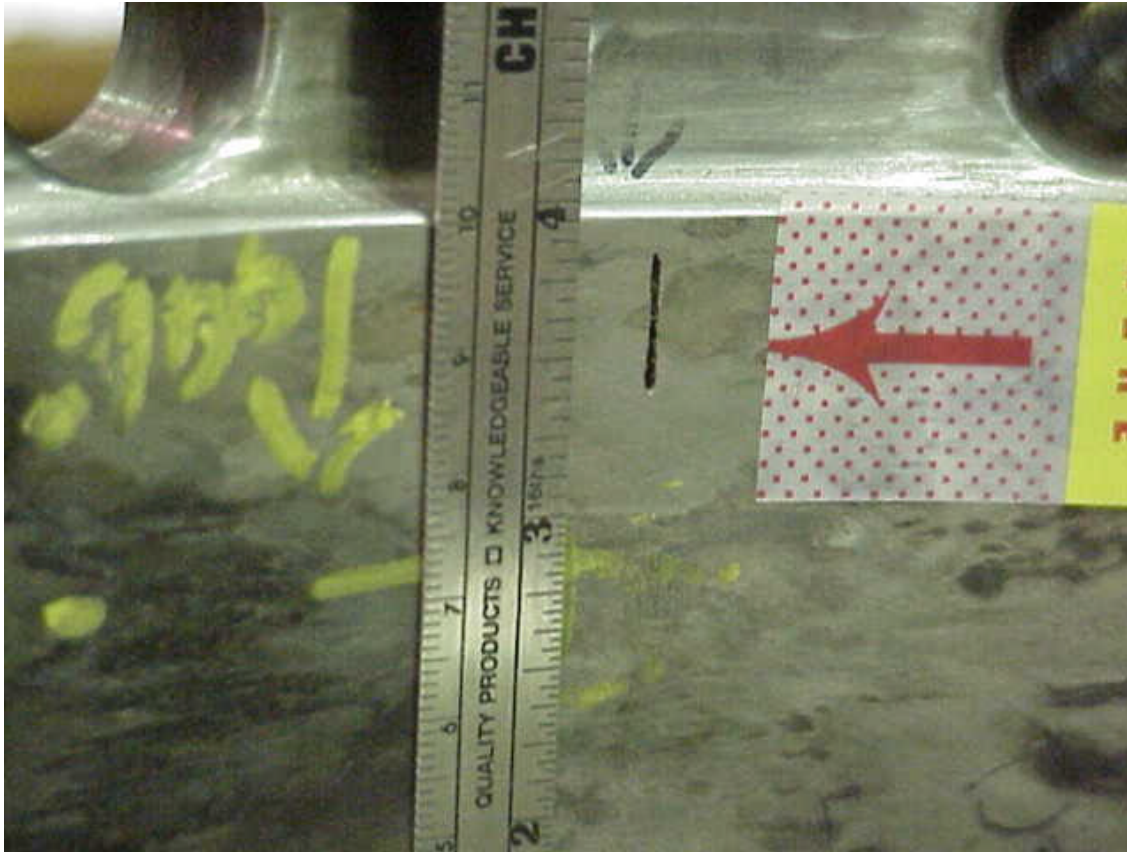


Fig 2. Close-up of calibration standard EDM notch



Fig 3. Calibration standard showing scanning surface of transducer



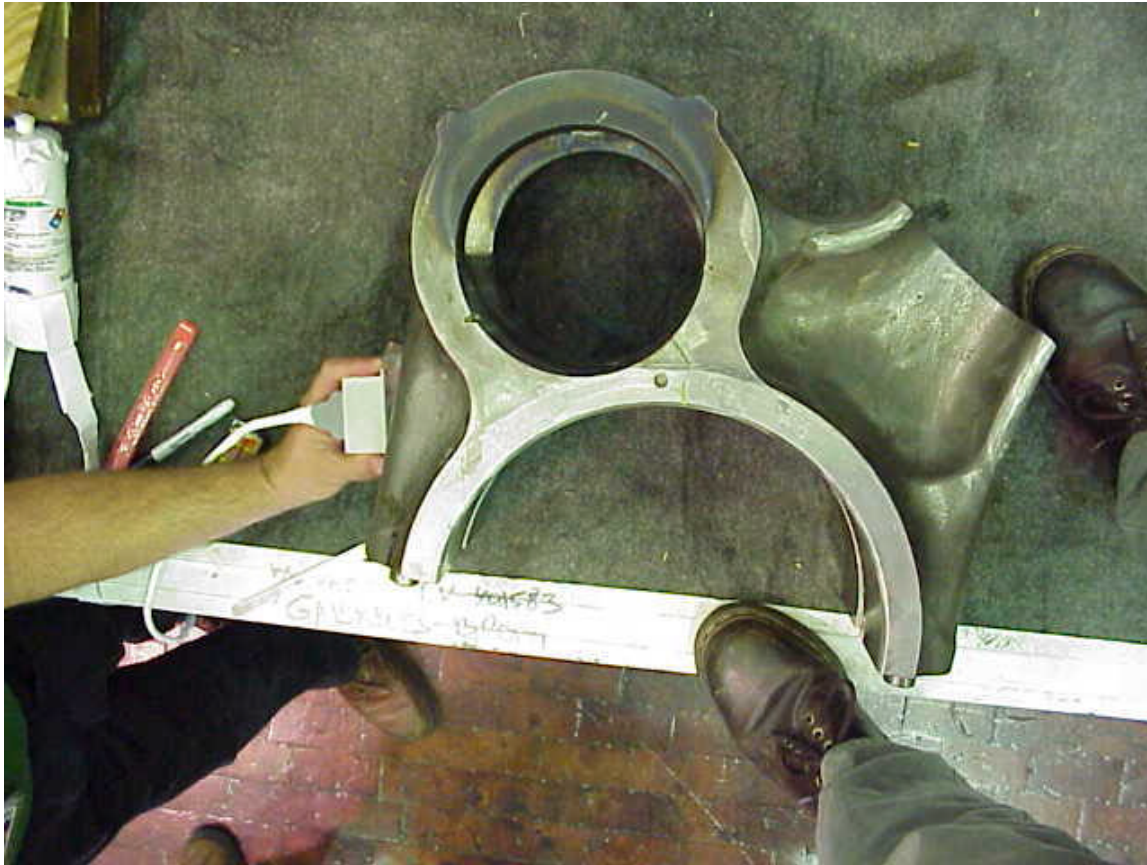


Fig 4. Side-view of calibration standard showing transducer





Fig 5. Side-view showing location of EDM notch

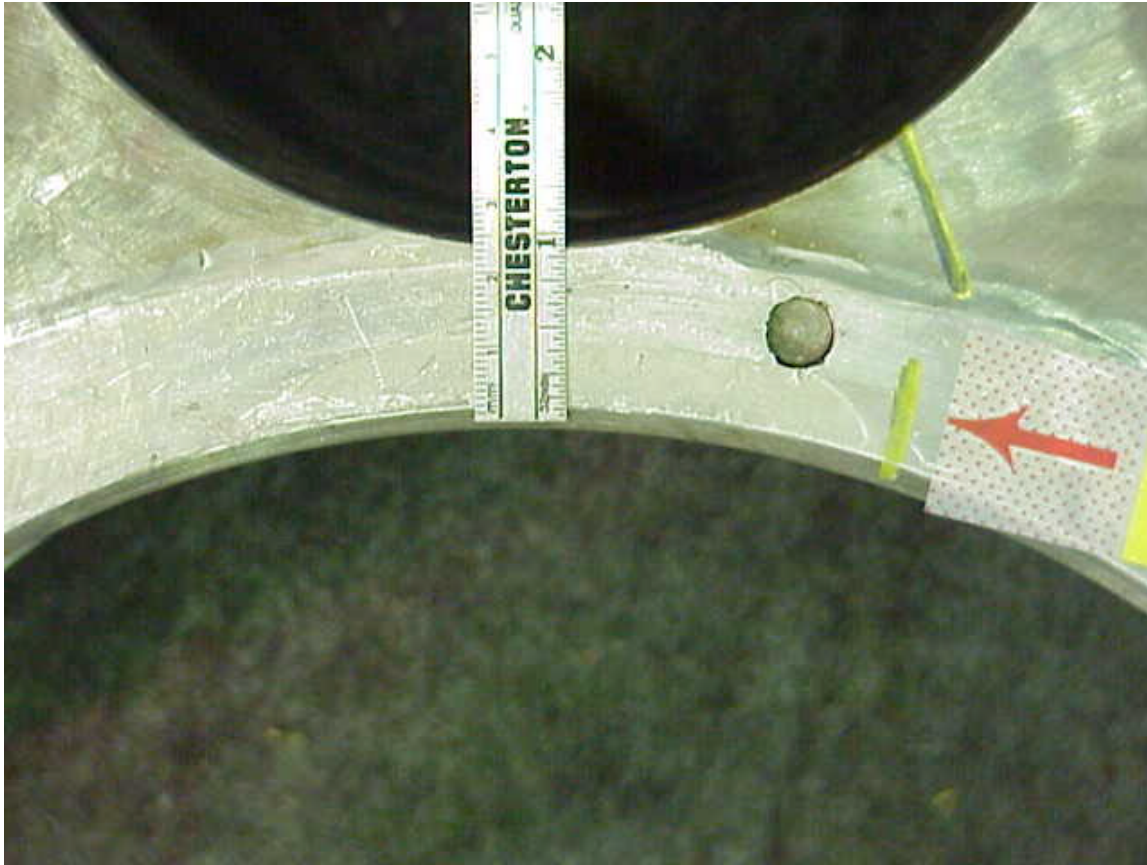


Fig 6. Close-up of side-view showing minimum master rod ligament and location of EDM notch (yellow line is just to show orientation and not depth)

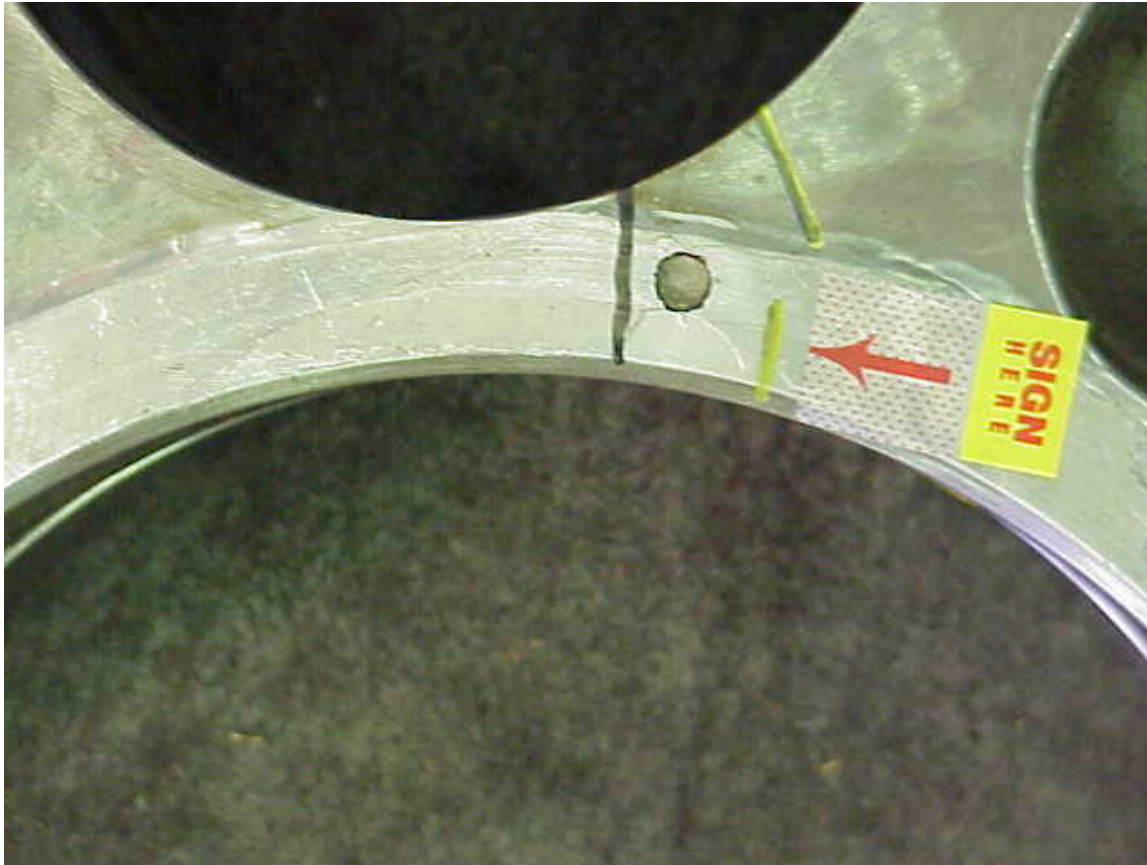


Fig 7. Close-up of side-view showing approximate location of crack on #9 (black line) and location of EDM notch (yellow line)



Fig 8. Field inspection