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February 14, 2000
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U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, DC 20555

South Texas Project
Unit 2
Docket No. STN 50-499
Seventh Refueling Outage Inservice Inspection Summary Report
for Welds and Component Supports

Enclosed are four copies of the summary report describing inservice inspection examinations of welds and component supports performed prior to and during the seventh refueling outage (2RE07). Examinations were performed on selected Class 1, 2 and 3 components in accordance with the 1983 Edition of ASME Section XI Code with the Summer of 1983 Addenda and other regulatory and code bases as described in the South Texas Project Unit 2 Ten Year ISI Plan. This summary report satisfies the reporting requirements of IWA-6000 of Section XI for welds and component supports.

If there are any questions on this matter, please contact either Mr. M. S. Lashley at (361) 972-7523 or me at (361) 972-7902.

T. J. Jordan
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Enclosure: 2RE07 Inservice Inspection Summary Report for Welds and Component Supports
of the South Texas Project Electric Generating Station - Unit 2

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1/4

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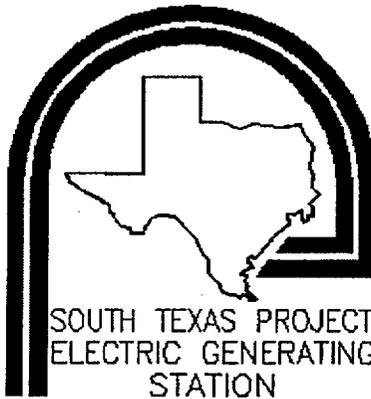
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U. S. Nuclear Regulatory Commission*
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Four copies go to the Nuclear Regulatory Commission. The others get one copy.



**2RE07 INSERVICE INSPECTION SUMMARY
REPORT
FOR WELDS AND
COMPONENT SUPPORTS**

of the

**SOUTH TEXAS PROJECT
ELECTRIC GENERATING STATION - UNIT 2**

Operator: STP Nuclear Operating Company

Address: P.O. Box 289
Wadsworth, Texas 77483

**Commercial
Operation:** JUNE 19, 1989

Issue Date: FEBRUARY 2000

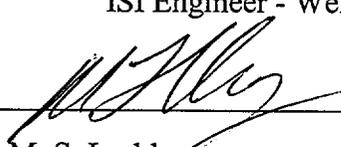
2RE07 INSERVICE INSPECTION SUMMARY REPORT
FOR
WELDS AND COMPONENT SUPPORTS
of the
SOUTH TEXAS PROJECT ELECTRIC GENERATING
STATION
UNIT NO. 2

USNRC DOCKET NO.: 50-499

OPERATING LICENSE NO.: NPF-80

COMMERCIAL OPERATION DATE: June 19, 1989

Prepared by: ^{JEZ}  1 Feb 00
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ISI Engineer - Welds & Component Supports

Approved by:  9/Feb/2000
M. S. Lashley Date
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2RE07 Inservice Inspection Summary Report for
Welds and Component Supports
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2RE07 Inservice Inspection Summary Report for Welds and Component Supports

INTRODUCTION

This Summary Report describes South Texas Project Nuclear Operating Company's (STPNOC) inservice inspection (ISI) of selected Class 1, 2, and 3 components of the South Texas Project Electric Generating Station, Unit 2 (STPEGS-2) performed prior to and during the seventh refueling outage (2RE07) of STPEGS-2. The STPEGS ISI program for welds and component supports is scheduled in accordance with Program B of the American Society of Mechanical Engineers (ASME) Section XI Code "Inservice Inspection of Nuclear Power Plant Components". The first ten year inspection interval of STPEGS-2 began June 19, 1989. Because STPEGS-2 was out of service continuously for 16 months, the inspection interval was extended for an equivalent period in accordance with IWA-2400(c) of ASME Section XI. This extended the first inspection interval to October 18, 2000. The ISI summarized herein is for the second ISI of the third inspection period of STPEGS-2. The third inspection period began October 19, 1997 and extends to October 18, 2000.

The STPEGS-2 ISI program for the first inspection interval is described in the Ten Year ISI Plan previously filed with the Nuclear Regulatory Commission (NRC) and the State of Texas. The STPEGS-2 ISI program was developed and is being implemented in accordance with 10CFR50.55a, the 1983 Edition of Section XI Code with the Summer 1983 Addenda, and other regulatory and Code bases as specified in the Ten Year ISI Plan. This Summary Report satisfies the reporting requirements of IWA-6000 of the Section XI Code for welds and component supports.

Scope of Summary Report

This Summary Report describes the ISI examinations performed prior to and during the 2RE07 refueling outage on Class 1 and 2 welds (Welds Section) and Class 1, 2, and 3 component supports (Component Supports Section). Each of these sections describes the scope of examinations performed; examination results, and corrective actions (if needed). The appendices of this report provide a listing of the weld examinations (Appendix A), listing of component supports examinations (Appendix B), ISI limitations (Appendix C) and copies of the NIS-1 Forms: Owner's Report for Inservice Inspection (Appendix D).

2RE07 Inservice Inspection Summary Report for Welds and Component Supports

WELDS

This section of the Summary Report documents the examinations performed by STPNOC NDE Group and contractor nondestructive examination (NDE) personnel in accordance with the following documents:

- (1) First 10-Year Long-Term Inservice Examination Plan for the South Texas Project Electric Generating Station, Unit 2 (LTP),
- (2) Examination Plan for the 1999 - 2RE07 Inservice Inspection of Welds and Component Supports at the South Texas Project Electric Generating Station, Unit 2, (including any changes made during the performance of the examinations)

The Long-Term Plan (LTP) provides a detailed description of the rules for exemption, selection, allocation, and scheduling of Class 1 and 2 welds and examination areas for ISI.

Scope of Examinations

NDE was performed on selected Class 1 and Class 2 components and examination areas as contained in the Examination Plan. Any deviations or changes were documented as Examination Plan Changes to the Examination Plan. A complete listing of the components and examination areas and other pertinent information is contained in Appendix A. Class 1 and Class 2 weld identification figures referenced in the Tables of Appendix A are contained in the LTP.

Reactor Vessel (RV) examinations (excluding the RV Closure Head) were performed with automated NDE methods by WesDyne International personnel and equipment. This included all RV shell welds and nozzle welds, nozzle to safe-end welds, adjacent safe-end to pipe/fitting welds, and nozzle inner radii. WesDyne International personnel also conducted remote visual examinations on the RV internals and interior surfaces.

STPNOC NDE and contractor NDE personnel performed a manual UT examinations of the RV Closure Head flange weld and of the RV flange to shell weld from the seal surface to obtain maximum coverage. Manual UT examinations were also conducted by STPNOC NDE and contractor NDE personnel on the RV flange threads and flange bushings (Roto-Lok inserts). The UT examinations on the flange bushings were performed as described in Relief Request RR-ENG-23 in lieu of the Section XI required visual examination.

2RE07 Inservice Inspection Summary Report for Welds and Component Supports

The examinations completed during 2RE07 and previous refueling outages constitute the following percentages of completion for Class 1 and Class 2 components during the first inspection interval:

	Cumulative (1st Interval)
Class 1 (IWB)	100 %
Class 2 (IWC)	100 %

Summary of Examinations

Examination Methods

The following examination methods were conducted:

VT Examinations

VT-1: Visual examination conducted to determine the condition of the part, component, or surface examined, including such conditions as cracks, wear, corrosion, erosion, or physical damage on the surfaces of the part or component.

VT-3: Visual examination conducted to determine the general mechanical and structural conditions of components.

PT Examinations

PT: Liquid penetrant examination conducted to detect surface defects.

MT Examinations

MT: Magnetic particle examination conducted to detect surface defects.

UT Examinations

UT: Ultrasonic examination conducted to detect the presence of discontinuities throughout the volume of weld and base material.

Examination Results and Corrective Actions

Examination area coverage was provided, to the extent practical, in accordance with the requirements of ASME Section XI and Code Case N-460. In those cases where physical conditions of the component restricted examination of the required area, the amount of coverage achieved was assessed. Appendix C, ISI Examination Limitations, contains a detailed account of examination limitations encountered during 2RE07 weld examinations for limitations that were 10% or greater.

2RE07 Inservice Inspection Summary Report for Welds and Component Supports

All UT indications determined to be recordable, regardless of signal amplitude, were investigated to determine the nature of the reflector. Indications determined to be other than geometry were evaluated to ASME Section XI criteria. No corrective actions were required.

Additional and Successive Examinations

If examinations reveal indications that exceed allowable indication standards, additional examinations are required as prescribed in IWB-2430 and IWC-2430. No additional examinations of Class 1 or Class 2 components (IWB/IWC-2430) were required during this outage.

Successive examinations are required if flaw indications are evaluated in accordance with IWB-3122.4 and the component qualifies as acceptable for continued service. No successive examinations (IWB-2420 or IWC-2420) will be scheduled as a result of examinations performed during this outage.

Certification of Inspections

ASME Section XI NIS-1 forms, "Owner's Report for Inservice Inspections", have been prepared to certify the STPEGS-2 weld ISI examinations described in this section of the Summary Report. The STPEGS-2 weld ISI examinations have been certified by our ANIL, Factory Mutual Insurance Company, on the NIS-1 forms included in Appendix D.

2RE07 Inservice Inspection Summary Report for
Welds and Component Supports

COMPONENT SUPPORTS

Introduction

This Section of the Summary Report documents the examinations of component supports performed by STPNOC NDE Group and contractor NDE personnel in accordance with the following documents:

- (1) STPNOC (HL&P) Specification 5U036JS0004: Inservice Inspection Examination of Component Supports of South Texas Project Electric Generating Station, Unit 2, First Inspection Interval
- (2) Examination Plan for the 1999 - 2RE07 Inservice Inspection of Welds and Component Supports at the South Texas Project Electric Generating Station, Unit 2, including changes made during the outage (Examination Plan).

The Specification provides a detailed description of the rules for exemption and selection of Class 1, 2, and 3 component supports for ISI. The 2RE07 Examination Plan is an individual Examination Plan for implementing ISI component support examinations as designated in the Specification. Any deviations or changes were documented as an Examination Plan Change to the Examination Plan.

Scope of Examinations

A complete listing of component supports examined during 2RE07 is contained in Appendix B. The examinations completed during 2RE07 and previous refueling outages constitute the following percentages of completion for Class 1, 2, and 3 component supports:

	Cumulative (1st Interval)
Class 1 (IWF)	100 %
Class 2 (IWF)	100%
Class 3 (IWF)	100%

Summary of Examinations

Examination Methods

The following visual examination methods were conducted for the ISI of component supports:

VT-3: Visual examination conducted to determine the general mechanical and structural conditions of components.

VT-4: Visual examination conducted to determine conditions related to the operability of components or devices.

2RE07 Inservice Inspection Summary Report for Welds and Component Supports

Examination Results and Corrective Actions

One relevant condition (oxidized nut) was found on an Essential Chilled Water system support. This condition as reported on Condition Report 00-1676 did not affect the integrity of the support for its intended service and determined to be acceptable in its as-found condition. However, the oxidized nut will be cleaned for recoating to prevent further oxidation. No additional examinations (sample expansion) were required because this is not a required corrective action. The visual examinations performed on the remaining component supports during 2RE07 did not reveal any relevant conditions.

Additional and Successive Examinations

The results of the visual examinations of component supports performed during 2RE07 did not require that any additional examinations (IWF-2430) be performed or any successive examinations (IWF-2420) be scheduled.

Certification of Inspections

Section XI NIS-1 forms, "Owner's Report for Inservice Inspections", have been prepared to certify the STPEGS-2 component support ISI examinations described in this section of the Summary Report. The STPEGS-2 component support ISI examinations have been certified by our ANII, Factory Mutual Insurance Company, on the NIS-1 forms included in Appendix D.

APPENDIX A

WELDS LISTING

EXAMINATION RESULTS LEGEND

B	Baseline Examination
C	Examination for Section XI Scheduling Credit
A	Augmented Examination
D	Deferred Examination Complete
W	RCP Flywheel Examination

DATE: 02/01/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

PAGE: 1

REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N O		
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CATGY EXAM				E O E	REMARKS	
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CIRCUMFERENTIAL VESSEL WELDS (FIG NO A-RPV-1)

000101	RPV2-101-121(B) FLANGE TO UPPER SHELL	B-A B1.30	UT	UTI-013 R1	C - -	EXAMINED 100% OF WELD LENGTH FROM SEAL SURFACE. **CSCL-93**
000102	RPV2-101-121(C) FLANGE TO UPPER SHELL	B-A(D) B1.30	UT	WESDYNE	D - -	EXAMINED 100% OF WELD LENGTH FROM THE VESSEL WALL. **CSCL-91/CSCL-92/CSCL-93**
000200	RPV2-103-121 UPPER SHELL TO INTERMEDIATE SHELL	B-A(D) B1.11	UT	WESDYNE	D - -	 **CSCL-91**
000300	RPV2-101-171 INTERMEDIATE SHELL TO LOWER SHELL	B-A(D) B1.11	UT	WESDYNE	D - -	 **CSCL-91**
000400	RPV2-101-141 LOWER SHELL TO BOTTOM HEAD TORUS	B-A(D) B1.11	UT	WESDYNE	D - -	LIMITED EXAMINATION COVERAGE ADDRESSED BY RR-ENG-21R1. **CSCL-90/CSCL-91**
000500	RPV2-102-151 BOTTOM HEAD TORUS TO BOTTOM HEAD DOME	B-A(D) B1.21	UT	WESDYNE	- - D	ONE INDICATION WAS RECORDED AND EVALUATED TO BE ACCEPTABLE (REF. CR 99-14954-1) **CSCL-90/CSCL-91**

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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

PAGE: 2

REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O		
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CIRCUMFERENTIAL CLOSURE HEAD WELDS (FIG NO A-RPV-3A)

000602	RPV2-101-101(C)	B-A	MT	ZA-0018 R2	C	-	-	EXAMINE 33% - 182 IN. (FROM 364 IN. TO
	CLOSURE HEAD TORUS TO FLANGE	B1.40	UT	UTI-024 R2	-	C	-	546/0 IN.).
								CSCL-92

LONGITUDINAL VESSEL WELDS (FIG NO A-RPV-1)

000800	RPV2-101-122A	B-A(D)	UT	WESDYNE	D	-	-	
	UPPER SHELL AT 42 DEG	B1.12						**CSCL-91/CSCL-92**
000900	RPV2-101-122B	B-A(D)	UT	WESDYNE	D	-	-	
	UPPER SHELL AT 162 DEG	B1.12						**CSCL-91/CSCL-92**
001000	RPV2-101-122C	B-A(D)	UT	WESDYNE	D	-	-	
	UPPER SHELL AT 282 DEG	B1.12						**CSCL-91/CSCL-92**
001100	RPV2-101-124A	B-A(D)	UT	WESDYNE	-	-	D	ONE INDICATION WAS RECORDED AND
	INTERMEDIATE SHELL AT 0 DEG	B1.12						EVALUATED TO BE ACCEPTABLE (REF. CR
								99-14954-2).
								CSCL-91
001200	RPV2-101-124B	B-A(D)	UT	WESDYNE	D	-	-	
	INTERMEDIATE SHELL AT 120 DEG	B1.12						**CSCL-91**
001300	RPV2-101-124C	B-A(D)	UT	WESDYNE	D	-	-	
	INTERMEDIATE SHELL AT 240 DEG	B1.12						**CSCL-91**

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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA		ASME	N O			REMARKS
NUMBER	IDENTIFICATION	SEC. XI	CATGY	EXAM	PROCEDURE	

<u>LONGITUDINAL VESSEL WELDS (FIG NO A-RPV-1)</u>						
001400	RPV2-101-142A LOWER SHELL AT 90 DEG	B-A(D)	UT	WESDYNE		D - - **CSCL-91**
001500	RPV2-101-142B LOWER SHELL AT 210 DEG	B-A(D)	UT	WESDYNE		D - - **CSCL-91**
001600	RPV2-101-142C LOWER SHELL AT 330 DEG	B-A(D)	UT	WESDYNE		D - - **CSCL-91**

MERIDIONAL BOTTOM HEAD WELDS (FIG NO A-RPV-1)

001700	RPV2-101-154A BOTTOM HEAD MERIDIONAL WELD AT 0 DEG	B-A(D)	UT	WESDYNE		D - - **CSCL-90/CSCL-91**
001800	RPV2-101-154B BOTTOM HEAD MERIDIONAL WELD AT 90 DEG	B-A(D)	UT	WESDYNE		D - - **CSCL-90/CSCL-91**
001900	RPV2-101-154C BOTTOM HEAD MERIDIONAL WELD AT 180 DEG	B-A(D)	UT	WESDYNE		D - - **CSCL-90/CSCL-91**

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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N O		REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C M R	
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				CATGY	E O E	
				EXAM	C M R	**CALIBRATION BLOCK**

MERIDIONAL BOTTOM HEAD WELDS (FIG NO A-RPV-1)

002000 RPV2-101-154D B-A(D) UT WESDYNE D - -
 BOTTOM HEAD MERIDIONAL WELD AT B1.22
 270 DEG

CSCL-90/CSCL-91

NOZZLE TO SHELL AND SHELL TO NOZZLE WELDS (FIG NO A-RPV-1)

002500 RPV2-107-121A B-D UT WESDYNE C - -
 LOOP A OUTLET NOZZLE AT 22 DEG B3.90

CSCL-53/CSCL-91/CSCL-92

002600 RPV2-105-121A B-D UT WESDYNE C - -
 LOOP A INLET NOZZLE AT 67 DEG B3.90

CSCL-53/CSCL-91/CSCL-92

002700 RPV2-105-121B B-D UT WESDYNE - - C
 LOOP B INLET NOZZLE AT 113 DEG B3.90

ONE INDICATION WAS RECORDED AND
 EVALUATED TO BE ACCEPTABLE (REF. CR
 99-14954-4).
 CSCL-53/CSCL-91/CSCL-92

002800 RPV2-107-121B B-D UT WESDYNE C - -
 LOOP B OUTLET NOZZLE AT 158
 DEG B3.90

CSCL-53/CSCL-91/CSCL-92

002900 RPV2-107-121C B-D UT WESDYNE C - -
 LOOP C OUTLET NOZZLE AT 202
 DEG B3.90

CSCL-53/CSCL-91/CSCL-92

DATE: 02/01/2000
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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O		
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NOZZLE TO SHELL AND SHELL TO NOZZLE WELDS (FIG NO A-RPV-1)

003000	RPV2-105-121C LOOP C INLET NOZZLE AT 247 DEG B3.90	B-D	UT		UT	WESDYNE	C - - **CSCL-53/CSCL-91/CSCL-92**
003100	RPV2-105-121D LOOP D INLET NOZZLE AT 293 DEG B3.90	B-D	UT		UT	WESDYNE	- - C ONE INDICATION WAS RECORDED AND EVALUATED TO BE ACCEPTABLE (REF. CR 99-14954-3). **CSCL-53/CSCL-91/CSCL-92**
003200	RPV2-107-121D LOOP D OUTLET NOZZLE AT 338 DEG	B-D	UT		UT	WESDYNE	C - - **CSCL-53/CSCL-91/CSCL-92**

NOZZLE INSIDE RADIUS SECTION (FIG NO A-RPV-1, 2)

003300	RPV2-N1AIR LOOP A OUTLET NOZZLE AT 22 DEG B3.100	B-D	UT		UT	WESDYNE	C - - **CSCL-48**
003400	RPV2-N2AIR LOOP A INLET NOZZLE AT 67 DEG B3.100	B-D	UT		UT	WESDYNE	C - - **CSCL-44/CSCL-48**
003500	RPV2-N2BIR LOOP B INLET NOZZLE AT 113 DEG B3.100	B-D	UT		UT	WESDYNE	C - - **CSCL-44/CSCL-48**

DATE: 02/01/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O			
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NOZZLE INSIDE RADIUS SECTION (FIG NO A-RPV-1, 2)

003600	RPV2-N1BIR LOOP B OUTLET NOZZLE AT 158 DEG	B-D B3.100	UT	WESDYNE	C	-	-	**CSCL-48**
003700	RPV2-N1CIR LOOP C OUTLET NOZZLE AT 202 DEG	B-D B3.100	UT	WESDYNE	C	-	-	**CSCL-48**
003800	RPV2-N2CIR LOOP C INLET NOZZLE AT 247 DEG	B-D B3.100	UT	WESDYNE	C	-	-	**CSCL-44/CSCL-48**
003900	RPV2-N2DIR LOOP D INLET NOZZLE AT 293 DEG	B-D B3.100	UT	WESDYNE	C	-	-	**CSCL-44/CSCL-48**
004000	RPV2-N1DIR LOOP D OUTLET NOZZLE AT 338 DEG	B-D B3.100	UT	WESDYNE	C	-	-	**CSCL-48**

NOZZLE TO SAFE-END AND SAFE-END TO NOZZLE WELDS (FIG NO A-RPV-1, 2)

004500	RPV2-N1ASE LOOP A OUTLET NOZZLE AT 22 DEG	B-F B5.10	UT	WESDYNE	C	-	-	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**
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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

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REACTOR PRESSURE VESSEL

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SUMMARY EXAMINATION AREA					E	O	E
NUMBER IDENTIFICATION					C	M	R
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NOZZLE TO SAFE-END AND SAFE-END TO NOZZLE WELDS (FIG NO A-RPV-1, 2)

004600	RPV2-N2ASE LOOP A INLET NOZZLE AT 67 DEG	B-F B5.10	UT	WESDYNE	C - -	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**
004700	RPV2-N2BSE LOOP B INLET NOZZLE AT 113 DEG	B-F B5.10	UT	WESDYNE	C - -	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**
004800	RPV2-N1BSE LOOP B OUTLET NOZZLE AT 158 DEG	B-F B5.10	UT	WESDYNE	C - -	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**
004900	RPV2-N1CSE LOOP C OUTLET NOZZLE AT 202 DEG	B-F B5.10	UT	WESDYNE	C - -	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**
005000	RPV2-N2CSE LOOP C INLET NOZZLE AT 247 DEG	B-F B5.10	UT	WESDYNE	C - -	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**
005100	RPV2-N2DSE LOOP D INLET NOZZLE AT 293 DEG	B-F B5.10	UT	WESDYNE	C - -	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**
005200	RPV2-N1DSE LOOP D OUTLET NOZZLE AT 338 DEG	B-F B5.10	UT	WESDYNE	C - -	EXEMPTION OF PT EXAMINATION PER RR-ENG-22. **CSCL-48/CSS-80/MU-44**

REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA		ASME			N	O		
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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>								
005501	1 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005502	2 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005503	3 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005504	4 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005505	5 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005506	6 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005507	7 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**

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REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O	
NUMBER	IDENTIFICATION	CATGY	EXAM	ASME	SEC. XI	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE		
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CLOSURE HEAD BOLTING (FIG NO A-RPV-1)

005508	8 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005509	9 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005510	10 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005511	11 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005512	12 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005513	13 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005514	14 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**

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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
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REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O			
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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>								
005515	15 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005516	16 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005517	17 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005518	18 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005519	19 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005520	20 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005521	21 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**

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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>								
005522	22 FLANGE THREADS	B-G-1(D)	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005523	23 FLANGE THREADS	B-G-1(D)	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005524	24 FLANGE THREADS	B-G-1(D)	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005525	25 FLANGE THREADS	B-G-1(D)	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005526	26 FLANGE THREADS	B-G-1(D)	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005527	27 FLANGE THREADS	B-G-1(D)	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005528	28 FLANGE THREADS	B-G-1(D)	UT	UTI-051 R1	D	-	-	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**

REACTOR PRESSURE VESSEL

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SUMMARY EXAMINATION AREA		CATGY	EXAM	PROCEDURE		REMARKS
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CLOSURE HEAD BOLTING (FIG NO A-RPV-1)

005529	29 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005530	30 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005531	31 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005532	32 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005533	33 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005534	34 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005535	35 FLANGE THREADS	B-G-1(D) B6.40	UT	UTI-051 R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**

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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>							
005536	36 FLANGE THREADS	B-G-1(D)	UT	UTI-051	R1	D - -	EXAMINE FLANGE THREADS MANUALLY FROM THE FLANGE FACE. **CS-47**
005701	1 FLANGE BUSHING	B-G-1(D)	UT	UTI-052	R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005702	2 FLANGE BUSHING	B-G-1(D)	UT	UTI-052	R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005703	3 FLANGE BUSHING	B-G-1(D)	UT	UTI-052	R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005704	4 FLANGE BUSHING	B-G-1(D)	UT	UTI-052	R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005705	5 FLANGE BUSHING	B-G-1(D)	UT	UTI-052	R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**

REACTOR PRESSURE VESSEL

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CLOSURE HEAD BOLTING (FIG NO A-RPV-1)

005706	6	B-G-1(D) UT	UT	UTI-052 R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING.
	FLANGE BUSHING	B6.50				**CS-100**
005707	7	B-G-1(D) UT	UT	UTI-052 R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING.
	FLANGE BUSHING	B6.50				**CS-100**
005708	8	B-G-1(D) UT	UT	UTI-052 R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING.
	FLANGE BUSHING	B6.50				**CS-100**
005709	9	B-G-1(D) UT	UT	UTI-052 R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING.
	FLANGE BUSHING	B6.50				**CS-100**
005710	10	B-G-1(D) UT	UT	UTI-052 R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING.
	FLANGE BUSHING	B6.50				**CS-100**
005711	11	B-G-1(D) UT	UT	UTI-052 R1	D - -	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING.
	FLANGE BUSHING	B6.50				**CS-100**

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REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O	
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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>						
005712	12	B-G-1(D) UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1
	FLANGE BUSHING	B6.50				EXAMINATION PER RR-ENG-23. PERFORM UT
						EXAMINATION MANUALLY FROM THE TOP OF THE
						BUSHING.
						CS-100
005713	13	B-G-1(D) UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1
	FLANGE BUSHING	B6.50				EXAMINATION PER RR-ENG-23. PERFORM UT
						EXAMINATION MANUALLY FROM THE TOP OF THE
						BUSHING.
						CS-100
005714	14	B-G-1(D) UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1
	FLANGE BUSHING	B6.50				EXAMINATION PER RR-ENG-23. PERFORM UT
						EXAMINATION MANUALLY FROM THE TOP OF THE
						BUSHING.
						CS-100
005715	15	B-G-1(D) UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1
	FLANGE BUSHING	B6.50				EXAMINATION PER RR-ENG-23. PERFORM UT
						EXAMINATION MANUALLY FROM THE TOP OF THE
						BUSHING.
						CS-100
005716	16	B-G-1(D) UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1
	FLANGE BUSHING	B6.50				EXAMINATION PER RR-ENG-23. PERFORM UT
						EXAMINATION MANUALLY FROM THE TOP OF THE
						BUSHING.
						CS-100
005717	17	B-G-1(D) UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1
	FLANGE BUSHING	B6.50				EXAMINATION PER RR-ENG-23. PERFORM UT
						EXAMINATION MANUALLY FROM THE TOP OF THE
						BUSHING.
						CS-100

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REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O		
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NUMBER	IDENTIFICATION	CATGY	EXAM	ITEM NO	METHOD	PROCEDURE	REMARKS
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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>							
005718	18 FLANGE BUSHING	B-G-1(D)	UT			UTI-052 R1	D - - SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005719	19 FLANGE BUSHING	B-G-1(D)	UT			UTI-052 R1	D - - SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005720	20 FLANGE BUSHING	B-G-1(D)	UT			UTI-052 R1	D - - SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005721	21 FLANGE BUSHING	B-G-1(D)	UT			UTI-052 R1	D - - SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005722	22 FLANGE BUSHING	B-G-1(D)	UT			UTI-052 R1	D - - SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005723	23 FLANGE BUSHING	B-G-1(D)	UT			UTI-052 R1	D - - SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**

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SUMMARY EXAMINATION AREA				N	O		
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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>							
005724	24 FLANGE BUSHING	B-G-1(D)	UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005725	25 FLANGE BUSHING	B-G-1(D)	UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005726	26 FLANGE BUSHING	B-G-1(D)	UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005727	27 FLANGE BUSHING	B-G-1(D)	UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005728	28 FLANGE BUSHING	B-G-1(D)	UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
005729	29 FLANGE BUSHING	B-G-1(D)	UT	UTI-052 R1	D	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**

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<u>CLOSURE HEAD BOLTING (FIG NO A-RPV-1)</u>							
005730	30 FLANGE BUSHING	B-G-1(D) B6.50	UT	UTI-052 R1	D	-	-
					SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**		
005731	31 FLANGE BUSHING	B-G-1(D) B6.50	UT	UTI-052 R1	D	-	-
					SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**		
005732	32 FLANGE BUSHING	B-G-1(D) B6.50	UT	UTI-052 R1	D	-	-
					SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**		
005733	33 FLANGE BUSHING	B-G-1(D) B6.50	UT	UTI-052 R1	D	-	-
					SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**		
005734	34 FLANGE BUSHING	B-G-1(D) B6.50	UT	UTI-052 R1	D	-	-
					SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**		
005735	35 FLANGE BUSHING	B-G-1(D) B6.50	UT	UTI-052 R1	D	-	-
					SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**		

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CLOSURE HEAD BOLTING (FIG NO A-RPV-1)

005736	36 FLANGE BUSHING	B-G-1(D) B6.50	UT	UTI-052 R1	D	-	-	SUBSTITUTION OF UT EXAMINATION FOR VT-1 EXAMINATION PER RR-ENG-23. PERFORM UT EXAMINATION MANUALLY FROM THE TOP OF THE BUSHING. **CS-100**
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VESSEL INTERIOR (FIG NO A-RPV-1, 2)

006200	VESSEL INTERIOR	B-N-1(S) B13.10	VT-3	TGX-ISI-88	C	-	-	
06400	VESSEL INTERIOR ATTACHMENTS BEYOND BELTLINE REGION	B-N-2(D) B13.60	VT-3	TGX-ISI-88	D	-	-	EXAMINATION INCLUDES THE SIX CORE SUPPORT LUGS AS SHOWN IN FIG. A-RPV-1.

VESSEL CORE SUPPORT STRUCTURE (FIG NO A-RPV-5)

006502	ITEM NO. 1 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	-	EXAMINE ACCESSIBLE THERMOCOUPLE CLAMPS INSIDE THE THERMOCOUPLE COLUMNS.
006504	ITEM NO. 2 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	-	EXAMINE ACCESSIBLE CONDUIT SWAGLOCK FITTINGS, BANDINGS, AND TAB LOCKS.
006506	ITEM NO. 3 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	-	EXAMINE ACCESSIBLE CLAMPS ON MOUNTING BRACKETS.
006508	ITEM NO. 4 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	-	EXAMINE ACCESSIBLE CONDUIT CLAMP WELDS.

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REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O		
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NUMBER	IDENTIFICATION	CATGY	EXAM	ITEM NO	METHOD	PROCEDURE	REMARKS
				C	M	R	**CALIBRATION BLOCK**

VESSEL CORE SUPPORT STRUCTURE (FIG NO A-RPV-5)

006510	ITEM NO. 5 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER SUPPORT COLUMN NUT TO EXTENSION WELDS.
006512	ITEM NO. 6 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE CONDUIT SUPPORT BRACKET WELDS.
006514	ITEM NO. 7 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE HOLD-DOWN SPRING INTERFACE SURFACE.
006516	ITEM NO. 8 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE WELDS ON SUPPORT COLUMN LOWER NOZZLES.
006518	ITEM NO. 9 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER CORE PLACE INSERTS.
006520	ITEM NO. 10 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE THERMOCOUPLE COLUMN AND GUIDE TUBE LOCKING DEVICES.
006522	ITEM NO. 11 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE SUPPORT COLUMN AND CORE INSERT SCREW LOCKING DEVICES.
006523	ITEM NO. 12 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER SUPPORT SKIRT TO PLATE GIRTH WELD.

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REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA		ASME			N O	
		SEC. XI			O G T	
		CATGY	EXAM		R E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E O E	REMARKS
					C M R	**CALIBRATION BLOCK**
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<u>VESSEL CORE SUPPORT STRUCTURE (FIG NO A-RPV-5)</u>						
006524	ITEM NO. 13 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER SUPPORT SKIRT TO FLANGE GIRTH WELD.
006526	ITEM NO. 14 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE GUIDE TUBE WELDS.
006528	ITEM NO. 15 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER CORE PLATE LOCKING DEVICES.
006530	ITEM NO. 16 UPPER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE LIFTING ROD LOCK WELDS.
006532	ITEM NO. 17 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER BARREL TO FLANGE GIRTH WELD.
006534	ITEM NO. 18 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER BARREL TO LOWER BARREL GIRTH WELD.
006536	ITEM NO. 19 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE LOWER BARREL TO CORE SUPPORT WELD.
006538	ITEM NO. 20 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D - -	EXAMINE ACCESSIBLE UPPER CORE PLATE ALIGNING PIN WELDS AND BEARING SURFACES.

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 CLASS 1 XCABWD STATUS COMPONENTS

REACTOR PRESSURE VESSEL

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SUMMARY EXAMINATION AREA				E	O	E	REMARKS
NUMBER	IDENTIFICATION	CATGY	EXAM	C	M	R	**CALIBRATION BLOCK**
		ITEM NO	METHOD	PROCEDURE			
<u>VESSEL CORE SUPPORT STRUCTURE (FIG NO A-RPV-5)</u>							
006540	ITEM NO. 21 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE OUTLET NOZZLE INTERFACE SURFACE CONDITION.
006542	ITEM NO. 22 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE NEUTRON SHIELD PANEL DOWEL PIN COVER PLATE WELDS.
006544	ITEM NO. 23 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE NEUTRON SHIELD PANEL SCREW LOCKING DEVICES.
006546	ITEM NO. 24 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE INTERFACE SURFACES AT THE SPACER PADS ALONG THE TOP AND BOTTOM ENDS OF THE NEUTRON PANELS.
006548	ITEM NO. 25 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE BAFFLE ASSEMBLY SCREW LOCKING ARRANGEMENTS AT THE TWO TOP AND BOTTOM ELEVATIONS.
006550	ITEM NO. 26 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE FUEL PIN TO CORE SUPPORT LOCKING DEVICES.
006552	ITEM NO. 27 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE SECONDARY CORE SUPPORT HOUSING TO BASE PLATE WELD.
006554	ITEM NO. 28 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D) B13.70	VT-3	TGX-ISI-88	D	-	EXAMINE ACCESSIBLE LOCKING DEVICES AND CONTACT OF THE BOTTOM INSTRUMENTATION GUIDE COLUMNS WHERE ATTACHED TO THE CORE SUPPORT AND TIE PLATES.

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REACTOR PRESSURE VESSEL

SUMMARY EXAMINATION AREA				N	O		
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NUMBER	IDENTIFICATION	CATGY	EXAM	ITEM NO	METHOD	PROCEDURE	REMARKS
				C	M	R	**CALIBRATION BLOCK**

VESSEL CORE SUPPORT STRUCTURE (FIG NO A-RPV-5)

006556	ITEM NO. 29 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70		TGX-ISI-88	D - - EXAMINE ACCESSIBLE LOCKING DEVICES OF THE SECONDARY CORE SUPPORT COLUMNS WHERE ATTACHED TO THE CORE SUPPORT AND TIE PLATES.
006558	ITEM NO. 30 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70		TGX-ISI-88	D - - EXAMINE ACCESSIBLE RADIAL SUPPORT KEY WELDS.
006560	ITEM NO. 31 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70		TGX-ISI-88	D - - EXAMINE ACCESSIBLE RADIAL SUPPORT KEY LOCKING ARRANGEMENTS AND BEARING SURFACES.
006562	ITEM NO. 32 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70		TGX-ISI-88	D - - EXAMINE ACCESSIBLE HEAD AND VESSEL ALIGNING PINS SCREW LOCKING DEVICES AND BEARING SURFACES.
006564	ITEM NO. 33 LOWER CORE SUPPORT ASSEMBLY	B-N-3(D)	VT-3	B13.70		TGX-ISI-88	D - - EXAMINE ACCESSIBLE IRRADIATION SPECIMEN GUIDE SCREW LOCKING DEVICES AND DOWEL PINS.

CONTROL ROD DRIVE HOUSING WELDS (FIG NO A-RPV-4)

006600	CONTROL ROD DRIVE HOUSING WELD	B-O(D)	PT	B14.10		ZA-0012 R2	D - - EXAMINED CRD HOUSING WELDS ON CRD HOUSINGS NOS. 54, 66, AND 79.
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PRESSURIZER

SUMMARY EXAMINATION AREA		ASME				N O	
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		CATGY	EXAM				R E H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C M R	E O E	REMARKS
							CALIBRATION BLOCK

CIRCUMFERENTIAL WELDS (FIG NO A-PRZ-1)

010100	PRZ-2-C1	B-B	UT	UTI-004 R3	C - -		
	UPPER HEAD TO SHELL A	B2.11	UT	UTI-017 R2	C - -		

CSCL-89

LONGITUDINAL WELDS (FIG NO A-PRZ-1)

010300	PRZ-2-L1	B-B	UT	UTI-004 R3	C - -		EXAMINED 1 FOOT OF WELD ADJACENT TO THE
	SHELL A LONGITUDINAL SEAM WELD	B2.12	UT	UTI-017 R2	C - -		CIRCUMFERENTIAL WELD.

CSCL-89

MANWAY BOLTING (FIG NO A-PRZ-1)

012301	PRZ-2-BOLTING(1-5)	B-G-2	VT-1	ZA-0024 R2	C - -		
		B7.20					

012302	PRZ-2-BOLTING(6-10)	B-G-2	VT-1	ZA-0024 R2	C - -		
		B7.20					

012303	PRZ-2-BOLTING(11-16)	B-G-2	VT-1	ZA-0024 R2	C - -		
		B7.20					

INTEGRAL ATTACHMENTS (FIG NO A-PRZ-1)

012500	1	B-H	PT	ZA-0012 R2	C - -		
	SIEMIC LUG	B8.20					

012510	2	B-H	PT	ZA-0012 R2	C - -		
	SIEMIC LUG	B8.20					

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PRESSURIZER

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SUMMARY EXAMINATION AREA				E	O	E	REMARKS	
NUMBER	IDENTIFICATION	CATGY	EXAM	ITEM NO	METHOD	PROCEDURE	C M R	**CALIBRATION BLOCK**

INTEGRAL ATTACHMENTS (FIG NO A-PRZ-1)

012520	3	B-H	PT	ZA-0012	R2	C	-	-
	SIEMIC LUG	B8.20						
012530	4	B-H	PT	ZA-0012	R2	C	-	-
	SIEMIC LUG	B8.20						

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STEAM GENERATOR 2D (PRIMARY SIDE)

SUMMARY EXAMINATION AREA				N	O	
NUMBER IDENTIFICATION				ASME	O	G T
				SEC. XI	R	E H
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				ITEM NO METHOD PROCEDURE	C	M R
						REMARKS
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MANWAY BOLTING (FIG NO A-SG-2)

018900	SG-2D-OMB	B-G-2	VT-1	ZA-0024 R2	C	-	-
	OUTLET MANWAY BOLTING	B7.30					

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REACTOR COOLANT SYSTEM

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SUMMARY EXAMINATION AREA					E	O	E	REMARKS		
NUMBER	IDENTIFICATION	CATGY	EXAM	ITEM NO	METHOD	PROCEDURE	C	M	R	**CALIBRATION BLOCK**

<u>29-RC-2101-NSS - LOOP 1 (FIG NO A-RC-1)</u>										
100720	1	B-J	UT		WESDYNE		C	-	-	MANDATORY ISI - TE. EXEMPTION OF PT EXAMINATION PER RR-ENG-22.
	RPV SAFE END TO PIPE	B9.11								**CSCL-48/CSS-80/MU-44**
<u>29-RC-2201-NSS - LOOP 2 (FIG NO A-RC-2)</u>										
100860	1	B-J	UT		WESDYNE		C	-	-	MANDATORY ISI - TE. EXEMPTION OF PT EXAMINATION PER RR-ENG-22.
	RPV SAFE END TO PIPE	B9.11								**CSCL-48/CSS-80/MU-44**
<u>29-RC-2301-NSS - LOOP 3 (FIG NO A-RC-3)</u>										
101000	1	B-J	UT		WESDYNE		C	-	-	MANDATORY ISI - TE. EXEMPTION OF PT EXAMINATION PER RR-ENG-22.
	RPV SAFE END TO PIPE	B9.11								**CSCL-48/CSS-80/MU-44**
<u>29-RC-2401-NSS - LOOP 4 (FIG NO A-RC-4)</u>										
101140	1	B-J	UT		WESDYNE		C	-	-	MANDATORY ISI - TE. EXEMPTION OF PT EXAMINATION PER RR-ENG-22.
	RPV SAFE END TO PIPE	B9.11								**CSCL-48/CSS-80/MU-44**
<u>27.5-RC-2103-NSS - LOOP 1 (FIG NO A-RC-1)</u>										
101330	7	B-J	UT		WESDYNE		C	-	-	MANDATORY ISI - TE. EXEMPTION OF PT EXAMINATION PER RR-ENG-22.
	ELBOW TO RPV SAFE END	B9.11								**CSCL-48/CSS-80/MU-44**
<u>27.5-RC-2203-NSS - LOOP 2 (FIG NO A-RC-2)</u>										
101470	5	B-J	UT		WESDYNE		C	-	-	MANDATORY ISI - TE. EXEMPTION OF PT EXAMINATION PER RR-ENG-22.
	ELBOW TO RPV SAFE END	B9.11								**CSCL-48/CSS-80/MU-44**

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REACTOR COOLANT SYSTEM

SUMMARY EXAMINATION AREA		ASME			N	O			
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		CATGY	EXAM			R	E H		
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E		
					C	M	R		
					REMARKS				
					CALIBRATION BLOCK				
<u>27.5-RC-2303-NSS - LOOP 3 (FIG NO A-RC-3)</u>									
101620	6	B-J	UT	WESDYNE	C	-	MANDATORY ISI - TE. EXEMPTION OF PT		
	ELBOW TO RPV SAFE END	B9.11					EXAMINATION PER RR-ENG-22.		
							CSCL-48/CSS-80/MU-44		
<u>27.5-RC-2403-NSS - LOOP 4 (FIG NO A-RC-4)</u>									
101760	6	B-J	UT	WESDYNE	C	-	MANDATORY ISI - TE. EXEMPTION OF PT		
	ELBOW TO RPV SAFE END	B9.11					EXAMINATION PER RR-ENG-22.		
							CSCL-48/CSS-80/MU-44		
<u>8-RC-2324-BB1 (FIG NO A-RC-12)</u>									
103510	2	B-J	PT	ZA-0012 R2	C	-			
	PIPE TO ELBOW	B9.11	UT	UTI-001 R3	C	-			
							SS-11		
103540	5	B-J	PT	ZA-0012 R2	C	-			
	ELBOW TO PIPE	B9.11	UT	UTI-001 R3	-	C			
							SS-11		
<u>6-RC-2004-NSS (FIG NO A-RC-6)</u>									
103950	7FB	B-G-2	VT-1	ZA-0024 R2	C	-	PERFORMED BASELINE VISUAL OF ONE OUTLET		
	FLANGE BOLTING	B7.50					STUD AS A RESULT OF THE INSTALLATION OF		
							VALVE NO.PSV-3452 IN ACCORDANCE WITH PM:		
							98000515. ISI OF REMAINDER COMPLETED		
							FOR FIRST INTERVAL.		
<u>6-RC-2009-NSS (FIG NO A-RC-6)</u>									
104130	9FB	B-G-2	VT-1	ZA-0024 R2	C	-	PERFORMED BASELINE VISUAL OF ONE OUTLET		
	FLANGE BOLTING	B7.50					STUD AS A RESULT OF THE INSTALLATION OF		
							VALVE NO.PSV-3451 IN ACCORDANCE WITH PM:		
							98000513. ISI OF REMAINDER COMPLETED		
							FOR FIRST INTERVAL.		

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REACTOR COOLANT SYSTEM

SUMMARY EXAMINATION AREA		ASME			N	O	
		SEC. XI			O	G	T
		CATGY	EXAM		R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E
					C	M	R
					REMARKS		
					CALIBRATION BLOCK		
<u>6-RC-2012-NSS (FIG NO A-RC-6)</u>							
104330	11FB FLANGE BOLTING	B-G-2 B7.50	VT-1	ZA-0024 R2	C	-	-
					PERFORMED BASELINE VISUAL OF ONE OUTLET STUD AS A RESULT OF THE INSTALLATION OF VALVE NO.PSV-3450 IN ACCORDANCE WITH PM: 98000512. ISI OF REMAINDER COMPLETED FOR FIRST INTERVAL.		
<u>4-RC-2000-BB1 (FIG NO A-RC-14)</u>							
104670	2 PIPE TO ELBOW	B-J B9.11	PT UT	ZA-0012 R2 UTI-005 R3	C	-	-
					SS-7		
<u>4-RC-2003-BB1 (FIG NO A-RC-13)</u>							
104840	2 PIPE TO ELBOW	B-J B9.11	PT UT	ZA-0012 R2 UTI-005 R3	C	-	-
					REMOVAL OF SUPPORT HL5003 REQUIRED FOR ACCESS (REF. CR 99-2261).		
					SS-6		
<u>4-RC-2123-BB1 (FIG NO A-RC-14)</u>							
105130	18 PIPE TO ELBOW	B-J B9.11	PT UT	ZA-0012 R2 UTI-005 R3	C	-	-
					REMOVAL OF SUPPORT HL5010 REQUIRED FOR ACCESS (REF. CR 99-2261).		
					SS-7		
105150	20 PIPE TO VALVE	B-J B9.11	PT UT	ZA-0012 R2 UTI-005 R3	C	-	-
					REMOVAL OF SUPPORT HL5013 REQUIRED FOR ACCESS (REF. CR 99-2261).		
					SS-7		
<u>4-RC-2126-BB1 (FIG NO A-RC-11)</u>							
105255	1 VALVE TO PIPE	NRCB 88-08	UT	UTI-021 R0	-	A	-
					AUGMENTED ISI - NRCB 88-08. NRCB 88-08 BASELINE EXAMINATION WAS PERFORMED DURING 2RE02. THIS WELD WAS PT AND UT EXAM'D. FOR SECTION XI CREDIT DURING PSI AND 2RE02 UNDER SUMM. NO. 105250.		
					SS-7		

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REACTOR COOLANT SYSTEM

SUMMARY EXAMINATION AREA				N	O			
ASME				O	G	T		
SEC. XI				R	E	H		
CATGY EXAM				E	O	E		
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	REMARKS
							CALIBRATION BLOCK	
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<u>4-RC-2126-BB1 (FIG NO A-RC-11)</u>								
105265	2	NRCB	UT	UTI-021 R0	-	A	-	AUGMENTED ISI - NRCB 88-08. NRCB 88-08 BASELINE EXAMINATION WAS PERFORMED DURING 2RE02. THIS WELD WAS PT AND UT EXAM'D. FOR SECTION XI CREDIT DURING PSI AND 2RE02 UNDER SUMM. NO. 105260. **SS-7**
	PIPE TO ELBOW	88-08						
105275	3	NRCB	UT	UTI-021 R0	-	A	-	AUGMENTED ISI - NRCB 88-08. NRCB 88-08 BASELINE EXAMINATION WAS PERFORMED DURING 2RE02. THIS WELD WAS PT AND UT EXAM'D. FOR SECTION XI CREDIT DURING PSI AND 2RE02 UNDER SUMM. NO. 105270. **SS-7**
	ELBOW TO PIPE	88-08						
<u>4-RC-2323-BB1 (FIG NO A-RC-11)</u>								
105615	1	NRCB	UT	UTI-021 R0	-	A	-	AUGMENTED ISI - NRCB 88-08. NRCB 88-08 BASELINE EXAMINATION WAS PERFORMED DURING 2RE02. THIS WELD WAS PT AND UT EXAM'D. FOR SECTION XI CREDIT DURING PSI AND 2RE02 UNDER SUMM. NO. 105610. **SS-7**
	VALVE TO PIPE	88-08						
105623	2	NRCB	UT	UTI-021 R0	-	A	-	AUGMENTED ISI - NRCB 88-08. NRCB 88-08 BASELINE EXAMINATION WAS PERFORMED DURING 2RE02. THIS WELD WAS PT AND UT EXAM'D. FOR SECTION XI CREDIT DURING PSI AND 2RE02 UNDER SUMM. NO. 105620. **SS-7**
	PIPE TO ELBOW	88-08						
105635	3	NRCB	UT	UTI-021 R0	-	A	-	AUG. ISI - NRCB 88-08. NRCB 88-08 B'LINE EXAM @ PSI UNDER SUMM. NO. 105640. WELD PT AND UT EXAM'D. FOR CODE CREDIT @ PSI UNDER SUMM. NO. 105630. REM. OF PIPE HANGER IS REQ'D. FOR EXAM. **SS-7**
	ELBOW TO PIPE	88-08						

DATE: 02/01/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

REACTOR COOLANT SYSTEM

SUMMARY EXAMINATION AREA		ASME			N	O		
		SEC. XI			O	G	T	
		CATGY	EXAM			R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E	REMARKS
					C	M	R	**CALIBRATION BLOCK**

4-RC-2420-BB1 (FIG NO A-RC-10)

105760	1	B-J	PT	ZA-0012 R2	C	-	-	
	BRANCH CONNECTION TO CAP	B9.11	UT	UTI-005 R3	C	-	-	

SS-7

4-RC-2422-BB1 (FIG NO A-RC-13)

106070	15	B-J	PT	ZA-0012 R2	C	-	-	
	ELBOW TO PIPE	B9.11	UT	UTI-005 R3	-	C	-	

SS-7

106080	16	B-J	PT	ZA-0012 R2	C	-	-	
	PIPE TO ELBOW	B9.11	UT	UTI-005 R3	-	C	-	

SS-7

106090	17	B-J	PT	ZA-0012 R2	C	-	-	
	ELBOW TO PIPE	B9.11	UT	UTI-005 R3	-	C	-	

SS-7

3-RC-2003-BB1 (FIG NO A-RC-13)

106205	1	NRCB	UT	UTI-021 R0	A	-	-	AUGMENTED ISI - NRCB 88-08. NRCB 88-08
	REDUCER TO PIPE	88-08						B'LINE EXAM WAS PERFORMED AT PSI AND

DURING 2RE02. WELD WAS PT EXAM'D. FOR
 CODE CREDIT DURING PSI AND 2RE02 UNDER
 SUMM. NO. 106200.

SS-94

3-RC-2015-NSS (FIG NO A-RC-7)

106400	16	B-J	PT	ZA-0012 R2	C	-	-	
	PIPE TO VALVE	B9.21						

DATE: 02/01/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

REACTOR COOLANT SYSTEM

SUMMARY EXAMINATION AREA				N	O		
				O	G	T	
				R	E	H	
				E	O	E	
NUMBER	IDENTIFICATION	CATGY	EXAM	ITEM NO	METHOD	PROCEDURE	REMARKS
				C	M	R	**CALIBRATION BLOCK**

3-RC-2106-BB1 (FIG NO A-RC-15)

106850	1	B-J	PT	ZA-0012	R2	C	-	-
	BRANCH CONNECTION TO CAP	B9.21						

2-RC-2003-BB1 (FIG NO A-RC-13)

107965	1	NRCB	UT	UTI-021	R0	A	-	-	AUGMENTED ISI - NRCB 88-08. NRCB 88-08 BASELINE EXAMINATION WAS PERFORMED DURING 2RE02. THIS WELD WAS PT EXAM'D. FOR SECTION XI CREDIT DURING PSI AND 2RE02 UNDER SUMM. NO. 107960.
	VALVE TO PIPE	88-08							**SS-95**

107975	2	NRCB	UT	UTI-021	R0	A	-	-	AUGMENTED ISI - NRCB 88-08. NRCB 88-08 BASELINE EXAMINATION WAS PERFORMED DURING 2RE02. THIS WELD WAS PT EXAM'D. FOR SECTION XI CREDIT DURING PSI AND 2RE02 UNDER SUMM. NO. 107970.
	PIPE TO REDUCER	88-08							**SS-95**

DATE: 02/01/2000
REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
CLASS 1 XCABWD STATUS COMPONENTS

CHEMICAL AND VOLUME CONTROL SYSTEM

SUMMARY EXAMINATION AREA		ASME			N	O	
NUMBER IDENTIFICATION		SEC. XI	CATGY	EXAM	O	G	T
		ITEM NO	METHOD	PROCEDURE	R	E	H
					E	O	E
					C	M	R
					REMARKS		

2-CV-2126-BB1 (FIG NO A-CV-5)

152960	2	B-J	PT	ZA-0012 R2	C	-	-
	PIPE TO VALVE	B9.21					

153020	5	B-J	PT	ZA-0012 R2	C	-	-
	REDUCING TEE TO BENT PIPE	B9.21					

2-CV-2141-BB1 (FIG NO A-CV-7)

154260	1	B-J	PT	ZA-0012 R2	C	-	-
	VALVE TO BENT PIPE	B9.21					

DATE: 02/01/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

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REACTOR COOLANT PUMP 2A

SUMMARY EXAMINATION AREA		ASME			N O	
		SEC. XI			O G T	
		CATGY	EXAM		R E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E O E	REMARKS
						C M R **CALIBRATION BLOCK**

PUMP BOLTING (FIG NO A-RCP-1)

260100	RCP-2A-PB PUMP BOLTS	B-G-1(D) B6.180	UT	UTI-026 R0	D - -	EXAMINED BOLT NOS. 1 - 24 IN PLACE FROM THE BOLT HEAD SURFACE. **CS-96**
260120	RCP-2A-FS FLANGE SURFACE	B-G-1(D) B6.190	VT-1	ZA-0024 R2	D - -	EXAMINED 1 IN. ANNULAR SURFACE OF FLANGE SURROUNDING EACH PUMP BOLT.
260131	RCP-2A-SHB(1-5) SEAL HOUSING BOLTS	B-G-2 B7.60	VT-1	ZA-0024 R2	C - -	
260132	RCP-2A-SHB(6-10) SEAL HOUSING BOLTS	B-G-2 B7.60	VT-1	ZA-0024 R2	C - -	
260133	RCP-2A-SHB(11-16) SEAL HOUSING BOLTS	B-G-2 B7.60	VT-1	ZA-0024 R2	C - -	

PUMP CASING WELD (FIG NO A-RCP-1)

260142	RCP-2A-PCW PUMP CASING WELD	N-481 --	VT-1	ZA-0024 R2	C - -	PERFORMED VT-1 VISUAL EXAMINATION OF THE EXTERIOR OF THE PUMP CASING WELD (REF. CR 98-13591).
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DATE: 02/01/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XCABWD STATUS COMPONENTS

PAGE: 37

VALVES

SUMMARY EXAMINATION AREA		ASME			N	O	
		SEC. XI			O	G	T
		CATGY	EXAM		R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E
					C	M	R
					REMARKS		
					CALIBRATION BLOCK		
<hr/>							
<u>VALVE GROUP 1</u>							
261100	PSV 3452-VB ON 6-RC-2004 FIG. NO. A-RC-6	B-G-2(C) VT-1 B7.70		ZA-0024 R2	B	-	- PERFORMED BASELINE VISUAL EXAMINATION ON VALVE BOLTING ON REPLACEMENT VALVE INSTALLED PER PM: 98000515 (WAN: 135429).
261120	PSV 3452-VIS ON 6-RC-2004 FIG. NO. A-RC-6	B-M-2(C) VT-3 B12.50		ZA-0024 R2	B	-	- PERFORMED BASELINE VISUAL EXAMINATION OF INTERIOR OF REPLACEMENT VALVE INSTALLED PER PM: 98000515 (WAN: 135429). EXAMINE ALL INTERNAL PRESSURE BOUNDARY SURFACES TO THE EXTENT PRACTICAL.
261160	PSV 3451-VB ON 6-RC-2009 FIG. NO. A-RC-6	B-G-2(C) VT-1 B7.70		ZA-0024 R2	B	-	- PERFORMED BASELINE VISUAL EXAMINATION ON VALVE BOLTING ON REPLACEMENT VALVE INSTALLED PER PM: 98000513 (WAN: 135428).
261180	PSV 3451-VIS ON 6-RC-2009 FIG. NO. A-RC-6	B-M-2(C) VT-3 B12.50		ZA-0024 R2	B	-	- PERFORMED BASELINE VISUAL EXAMINATION OF INTERIOR OF REPLACEMENT VALVE INSTALLED PER PM: 98000513 (WAN: 135428). EXAMINE ALL INTERNAL PRESSURE BOUNDARY SURFACES TO THE EXTENT PRACTICAL.
261200	PSV 3450-VB ON 6-RC-2012 FIG. NO. A-RC-6	B-G-2(C) VT-1 B7.70		ZA-0024 R2	B	-	- PERFORMED BASELINE VISUAL EXAMINATION ON VALVE BOLTING ON REPLACEMENT VALVE INSTALLED PER PM: 98000512 (WAN: 135427).
261220	PSV 3450-VIS ON 6-RC-2012 FIG. NO. A-RC-6	B-M-2(C) VT-3 B12.50		ZA-0024 R2	B		PERFORMED BASELINE VISUAL EXAMINATION OF INTERIOR OF REPLACEMENT VALVE INSTALLED PER PM: 98000512 (WAN: 135427). EXAMINE ALL INTERNAL PRESSURE BOUNDARY SURFACES TO THE EXTENT PRACTICAL.

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 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 2 XCABWD STATUS COMPONENTS

AUXILIARY FEEDWATER SYSTEM

SUMMARY EXAMINATION AREA				N	O	REMARKS	
NUMBER	IDENTIFICATION	CATGY	EXAM	E	O	E	
		ITEM NO	METHOD	PROCEDURE	C	M	R

8-AF-2012-GA2 [C] (FIG NO B-AF-7)

354560	2	C-F-2	MT	ZA-0018 R2	C	-	-
	PIPE TO ELBOW	C5.51	UT	UTI-002 R3	-	C	-
							CS-2

354930	20PL1-20PL8	C-C	MT	ZA-0018 R2	C	-	-
	PIPE LUGS	C3.20					

355030	25PL1-25PL8	C-C	MT	ZA-0018 R2	C	-	-
	PIPE LUGS	C3.20					

355060	27	C-F-2	MT	ZA-0018 R2	C	-	-
	ELBOW TO PIPE	C5.51	UT	UTI-002 R3	C	-	-

CS-2

355065	27PL1-27PL8	C-C	MT	ZA-0018 R2	C	-	-
	PIPE LUGS	C3.20					

8-AF-2012-GA2 [G] (FIG NO B-AF-8)

355600	1	C-F-2	MT	ZA-0018 R2	C	-	-
	REDUCER TO PIPE	C5.51	UT	UTI-002 R3	C	-	-

CS-2

8(6)-AF-2012-GA2 (FIG NO B-AF-7)

357760	2	C-F-2	MT	ZA-0018 R2	C	-	-
	PIPE TO NOZZLE	C5.51	UT	UTI-002 R3	-	C	-

CS-73

DATE: 02/01/2000
REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
CLASS 2 XCABWD STATUS COMPONENTS

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AUXILIARY FEEDWATER SYSTEM

SUMMARY EXAMINATION AREA				N	O		
				O	G	T	
				R	E	H	
				E	O	E	
NUMBER	IDENTIFICATION	CATGY	EXAM	ITEM NO	METHOD	PROCEDURE	REMARKS
				C	M	R	**CALIBRATION BLOCK**

6-AF-2012-GA2 (FIG NO B-AF-7, 8)

360360	5	C-F-2	MT	ZA-0018	R2	C - -	
	ELBOW TO PIPE	C5.51	UT	UTI-002	R3	- C -	

CS-1

DATE: 02/01/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 2 XCABWD STATUS COMPONENTS

CONTAINMENT SPRAY PUMPS

SUMMARY EXAMINATION AREA				N	O			
ASME				O	G	T		
SEC. XI				R	E	H		
CATGY EXAM				E	O	E		
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	REMARKS
								CALIBRATION BLOCK
<u>PUMP 2A (FIG NO B-CSP-1)</u>								
750133	CIAPCS-2A-PCW3 LOWER CASE TO BOTTOM HEAD	C-G C6.10	VT-1	ZA-0024 R2	C	-	-	PERFORMED VT-1 BOROSCOPIC EXAM OF WELD PER CR 98-10926 (DURING ALPHA TRAIN WEEK STARTING 12-7-98) AS AN ALTERNATIVE TO THE PT EXAM TO SUPPORT RR-ENG-24 (SEE SUMM. NO. 750130).
750145	CIAPCS-2A-PCW5 LOWER CASE SEAM WELD	C-G C6.10	VT-1	ZA-0024 R2	C	-	-	PERFORMED VT-1 BOROSCOPIC EXAM OF WELD BELOW SEAL PER CR 98-10926 (DURING ALPHA TRAIN WEEK STARTING 12-7-98) AS AN ALTER. TO THE PT TO SUPPORT RR-ENG-24 (SEE SUMM. NO. 750130).

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 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 2 XCABWD STATUS COMPONENTS

HIGH HEAD SAFETY INJECTION PUMPS

SUMMARY EXAMINATION AREA				N	O			
ASME				O	G	T		
SEC. XI				R	E	H		
CATGY EXAM				E	O	E		
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	REMARKS
								CALIBRATION BLOCK
<u>PUMP 2A (FIG NO B-HHSIP-1)</u>								
751033	SIAPHH-2A-PCW3 LOWER CASE TO BOTTOM HEAD	C-G C6.10	VT-1	ZA-0024 R2	C	-	-	PERFORMED VT-1 BOROSCOPIC EXAM OF WELD PER CR 98-10926 (DURING ALPHA TRAIN WEEK STARTING 12-7-98) AS AN ALTERNATIVE TO THE PT EXAM TO SUPPORT RR-ENG-24 (SEE SUMM. NO. 751030).
751045	SIAPHH-2A-PCW5 LOWER CASE SEAM WELD	C-G C6.10	VT-1	ZA-0024 R2	C	-	-	PERFORMED VT-1 BOROSCOPIC EXAM OF WELD BELOW SEAL PER CR 98-10926 (DURING ALPHA TRAIN WEEK STARTING 12-7-98) AS AN ALTER. TO THE PT TO SUPPORT RR-ENG-24 (SEE SUMM. NO. 751030).

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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 WELDS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 2 XCABWD STATUS COMPONENTS

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LOW HEAD SAFETY INJECTION PUMPS

SUMMARY EXAMINATION AREA				N	O			
				O	G	T		
SEC. XI				R	E	H		
CATGY EXAM				E	O	E		
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	C	M	R	REMARKS
							CALIBRATION BLOCK	
<u>PUMP 2A (FIG NO B-LHSIP-1)</u>								
751333	SIAPLH-2A-PCW3 LOWER CASE TO BOTTOM HEAD	C-G C6.10	VT-1	ZA-0024 R2	C	-	-	PERFORMED VT-1 BOROSCOPIC EXAM OF WELD PER CR 98-10926 (DURING ALPHA TRAIN WEEK STARTING 12-7-98) AS AN ALTERNATIVE TO THE PT EXAM TO SUPPORT RR-ENG-24 (SEE SUMM. NO. 751330).
751345	SIAPLH-2A-PCW5 LOWER CASE SEAM WELD	C-G C6.10	VT-1	ZA-0024 R2	C	-	-	PERFORMED VT-1 BOROSCOPIC EXAM OF WELD BELOW SEAL PER CR 98-10926 (DURING ALPHA TRAIN WEEK STARTING 12-7-98) AS AN ALTER. TO THE PT TO SUPPORT RR-ENG-24 (SEE SUMM. NO. 751330).

APPENDIX B

COMPONENT SUPPORTS LISTING

EXAMINATION RESULTS LEGEND

C Examination for Section XI Scheduling Credit

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 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 1 XC STATUS COMPONENTS

PAGE: 1

REACTOR COOLANT 1

SUMMARY EXAMINATION AREA		ASME			N	O		
		SEC. XI			O	G	T	
		CATGY	EXAM			R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E	REMARKS
					C	M	R	**CALIBRATION BLOCK**

<u>6-RC-2003-BB1-C</u>								
105900	RC-2003-HL5003	PIPING-1	VT-3	ZA-0023 R1	C	-	-	EXAMINED WHEN FILLED.
	SH-V	-	VT-4	ZA-0023 R1	C	-	-	
<u>1R122NSG201C</u>								
118400	SGC1C	EQUIP-1	VT-3	ZA-0023 R1	C	-	-	AS VIEWED FROM ABOVE, THE SUPPORT
	RC S/G COL	-						LOCATED NEAREST THE RCP COLUMN ON S/G
								2C.
118500	SGC2C	EQUIP-1	VT-3	ZA-0023 R1	C	-	-	THE SUPPORT LOCATED IMMEDIATELY
	RC S/G COL	-						CLOCKWISE FROM SGC1C.
118600	SGC3C	EQUIP-1	VT-3	ZA-0023 R1	C	-	-	THE SUPPORT LOCATED IMMEDIATELY
	RC S/G COL	-						CLOCKWISE FROM SGC2C.
118700	SGC4C	EQUIP-1	VT-3	ZA-0023 R1	C	-	-	THE SUPPORT LOCATED IMMEDIATELY
	RC S/G COL	-						CLOCKWISE FROM SGC3C.
118800	SGL1C	EQUIP-1	VT-3	ZA-0023 R1	C	-	-	THE SINGLE LOWER LATERAL SUPPORT ON S/G
	RC S/G LOWER	-						2C.
118900	SGU1C	EQUIP-1	VT-3	ZA-0023 R1	C	-	-	THE SINGLE UPPER LATERAL SUPPORT ON S/G
	RC S/G UPPER	-						2C.

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SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
CLASS 2 XC STATUS COMPONENTS

PAGE: 2

CONTAINMENT SPRAY 2

SUMMARY EXAMINATION AREA				N	O	
NUMBER IDENTIFICATION				ASME	O	G T
				SEC. XI	R	E H
				CATGY EXAM	E	O E
				ITEM NO METHOD PROCEDURE	C	M R
						REMARKS
-----						**CALIBRATION BLOCK**

8-CS-2302-PB2-K

215300	CS-2302-SH10	PIPING-2	VT-3	ZA-0023 R1	C	-	-	EXAMINED WHEN FILLED.
	SH-V	-	VT-4	ZA-0023 R1	C	-	-	

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REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
CLASS 2 XC STATUS COMPONENTS

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FEED WATER 2

SUMMARY EXAMINATION AREA				N	O			
				O	G	T		
				R	E	H		
				E	O	E		
NUMBER	IDENTIFICATION	CATGY	EXAM	PROCEDURE	C	M	R	REMARKS
								CALIBRATION BLOCK
<hr/>								
<u>18-FW-2016-GA2-H</u>								
220600	FW-2016-SH02	PIPING-2	VT-3	ZA-0023 R1	C	-	-	EXAMINED WHEN FILLED.. EXAMINATION OF
	SH-V	-	VT-4	ZA-0023 R1	C	-	-	SUPPORT REQUIRES EXTENSIVE SCAFFOLDING.

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REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
CLASS 3 XC STATUS COMPONENTS

PAGE: 4

AUXILIARY STEAM 3

SUMMARY EXAMINATION AREA		CATGY EXAM		PROCEDURE	N O	REMARKS
NUMBER	IDENTIFICATION	ITEM NO	METHOD		O G T	
					R E H	
					E O E	
					C M R	**CALIBRATION BLOCK**
<hr/>						
<u>6-AS-2079-WA3-C1</u>						
319750	AS-2079-HL5002 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C - -	

DATE: 02/03/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

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ESSENTIAL COOLING WATER 3

SUMMARY EXAMINATION AREA				N	O			
				O	G	T		
				R	E	H		
				E	O	E		
NUMBER	IDENTIFICATION	CATGY	EXAM	PROCEDURE	C	M	R	REMARKS
								CALIBRATION BLOCK
<u>14-EW-2383-WT3-A</u>								
407170	EW-2383-HL5005 RR	PIPING-3	VT-3	ZA-0023 R1	C	-	-	
407180	EW-2383-HL5012 RR	PIPING-3	VT-3	ZA-0023 R1	C	-	-	
<u>10-EW-2383-WT3-G</u>								
416205	EW-2383-HL5001 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-	
<u>10-EW-2383-WT3-H</u>								
416210	EW-2383-HL5002 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-	
416215	EW-2383-HL5003 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-	
416220	EW-2383-HL5004 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-	
<u>10-EW-2383-WT3-B</u>								
416225	EW-2383-HL5006 RR	PIPING-3	VT-3	ZA-0023 R1	C	-	-	

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 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

ESSENTIAL COOLING WATER 3

SUMMARY EXAMINATION AREA		ASME			N	O	
		SEC. XI			O	G	T
		CATGY	EXAM		R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E
					C	M	R
					REMARKS		
					CALIBRATION BLOCK		
<u>10-EW-2383-WT3-C</u>							
416230	EW-2383-HL5007 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
416235	EW-2383-HL5008 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>10-EW-2383-WT3-D</u>							
416240	EW-2383-HL5009 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>10-EW-2383-WT3-E</u>							
416245	EW-2383-HL5010 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>10-EW-2383-WT3-B</u>							
416250	EW-2383-HL5011 RR	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>10-EW-2386-WT3-A</u>							
416255	EW-2386-HL5001 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>10-EW-2386-WT3-B</u>							
416260	EW-2386-HL5002 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-

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 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

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ESSENTIAL COOLING WATER 3

SUMMARY EXAMINATION AREA		ASME			N	O	
		SEC. XI			O	G	T
		CATGY	EXAM		R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E
					C	M	R
					REMARKS		
					CALIBRATION BLOCK		
<u>10-EW-2386-WT3-B</u>							
416265	EW-2386-HL5003 RR	PIPING-3	VT-3	ZA-0023 R1	C	-	-
416270	EW-2386-HL5004 RR	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>8-EW-2384-WT3-A</u>							
417005	EW-2384-HL5001 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>8-EW-2385-WT3-C</u>							
417010	EW-2385-HL5001 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
417015	EW-2385-HL5002 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>8-EW-2385-WT3-D</u>							
417020	EW-2385-HL5003 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-
<u>6-EW-2308-WT3-D</u>							
423910	EW-2308-HL5001 GUIDE	PIPING-3	VT-3	ZA-0023 R1	C	-	-

DATE: 02/03/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

ESSENTIAL COOLING WATER 3

N O
 O G T
 R E H
 E O E
 C M R

SUMMARY EXAMINATION AREA
 NUMBER IDENTIFICATION

ASME
 SEC. XI
 CATGY EXAM
 ITEM NO METHOD PROCEDURE

REMARKS
 CALIBRATION BLOCK

6-EW-2309-WT3-E

423920 EW-2309-HL5001 PIPING-3 VT-3 ZA-0023 R1 C - -
 GUIDE -

423930 EW-2309-HL5002 PIPING-3 VT-3 ZA-0023 R1 C - -
 GUIDE -

423940 EW-2309-HL5003 PIPING-3 VT-3 ZA-0023 R1 C - -
 GUIDE -

3R282NPA201A

437500 ECP1A EQUIP-3 VT-3 ZA-0023 R1 C - - THE LOWER SUPPORT AT PUMP SUCTION ON
 EW CLG PUMP - PUMP 2A. EXAMINE SUPPORT DURING 2A EAOT
 OUTAGE IN FEBRUARY 1999 WHEN PUMP PIT IS
 DRAINED. (SEE PM: MM-2-EW19931106).

437600 ECP2A EQUIP-3 VT-3 ZA-0023 R1 C - - THE MIDDLE SUPPORT ON PUMP 2A. EXAMINE
 EW CLG PUMP - SUPPORT DURING 2A EAOT OUTAGE IN
 FEBRUARY 1999 WHEN PUMP PIT IS DRAINED.
 (SEE PM: MM-2-EW19931106).

DATE: 02/03/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

PAGE: 9

ESSENTIAL CHILLED WATER 3

SUMMARY EXAMINATION AREA		ASME			N O	
		SEC. XI			O G T	
		CATGY	EXAM		R E H	
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E O E	REMARKS
						C M R **CALIBRATION BLOCK**
<u>3V112VPA004</u>						
440000	CHP1A CH PUMP 21A	F-A F1.43	VT-3	ZA-0023 R1	C - -	DEADWEIGHT SUPPORT CLOSEST TO MOTOR.
440100	CHP2A CH PUMP 21A	F-A F1.43	VT-3	ZA-0023 R1	C - -	DEADWEIGHT SUPPORT FARTHEST FROM MOTOR.
440200	CHP3A CH PUMP 21A	F-A F1.43	VT-3	ZA-0023 R1	C - -	TORQUE SUPPORT ON RIGHT FACING PUMP.
440300	CHP4A CH PUMP 21A	F-A F1.43	VT-3	ZA-0023 R1	C - -	TORQUE SUPPORT ON LEFT FACING PUMP.
<u>3V112VCH001</u>						
441200	CHC121A CH ESS. CHILLER #1 (21A) (150 TON)	F-A F1.43	VT-3	ZA-0023 R1	C - -	CHILLER FLOOR PLATE AND GUSSET PLATES AT END OPPOSITE THE CHILLED WATER PIPE CONNECTIONS.
441300	CHC221A CH ESS. CHILLER #1 (21A) (150 TON)	F-A F1.43	VT-3	ZA-0023 R1	C - -	CHILLER FLOOR PLATE AND GUSSET PLATES AT END WITH THE CHILLED WATER PIPE CONNECTIONS.
<u>3V112VCH004</u>						
441800	CHC122A CH ESS. CHILLER #4 (22A) (300 TON)	F-A F1.43	VT-3	ZA-0023 R1	C - -	CHILLER FLOOR PLATE AND GUSSET PLATES AT END OPPOSITE THE CHILLED WATER PIPE CONNECTIONS.

DATE: 02/03/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

ESSENTIAL CHILLED WATER 3

SUMMARY EXAMINATION AREA		ASME			N	O		
		SEC. XI			O	G	T	
		CATGY	EXAM			R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E	REMARKS
					C	M	R	**CALIBRATION BLOCK**
<hr/>								
<u>3V112VCH004</u>								
441900	CHC222A CH ESS. CHILLER #4 (22A) (300 TON)	F-A F1.43	VT-3	ZA-0023 R1	C	-	-	CHILLER FLOOR PLATE AND GUSSET PLATES AT END WITH THE CHILLED WATER PIPE CONNECTIONS. OXIDIZED FLOOR PLATE MOUNTING NUT AND JAM NUT. THIS CONDITION DOES NOT AFFECT THE INTEGRITY OF THE SUPPORT FOR ITS INTENDED SERVICE AND WAS DETERMINED TO BE ACCEPTABLE. REF. CR 00-1676.
<u>8-CH-2303-WA3-A</u>								
450900	CH-2303-HL5018 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	
<u>6-CH-2303-WA3-F</u>								
458400	CH-2303-HL5001 ANCHOR	F-A F1.30C	VT-3	ZA-0023 R1	C	-	-	
458500	CH-2303-HL5003 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	
<u>6-CH-2303-WA3-G</u>								
458600	CH-2303-HL5004 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	
<u>6-CH-2303-WA3-H</u>								
458700	CH-2303-HL5005 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-	

DATE: 02/03/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

PAGE: 11

ESSENTIAL CHILLED WATER 3

SUMMARY EXAMINATION AREA		ASME			N	O	
		SEC. XI			O	G	T
		CATGY	EXAM		R	E	H
NUMBER	IDENTIFICATION	ITEM NO	METHOD	PROCEDURE	E	O	E
					C	M	R
					REMARKS		
					CALIBRATION BLOCK		
<u>6-CH-2309-WA3-A</u>							
460200	CH-2309-HL5001 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-
<u>6-CH-2313-WA3-G</u>							
460800	CH-2313-HL5005 RR	F-A F1.30A	VT-3	ZA-0023 R1	C	-	-
<u>6-CH-2314-WA3-H</u>							
461400	CH-2314-HL5006 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-
<u>6-CH-2314-WA3-J</u>							
461500	CH-2314-HL5007 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-
461600	CH-2314-HL5008 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-
<u>6-CH-2314-WA3-M</u>							
462100	CH-2314-HL5013 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-
<u>6-CH-2343-WA3-A</u>							
462400	CH-2343-HL5001 GUIDE	F-A F1.30D	VT-3	ZA-0023 R1	C	-	-

DATE: 02/03/2000
 REVISION: 0

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION UNIT 2
 INSERVICE INSPECTION SUMMARY - 2RE07 SUPPORTS
 FIRST INTERVAL, THIRD PERIOD, SECOND OUTAGE (99RF)
 CLASS 3 XC STATUS COMPONENTS

DIESEL AIR INTAKE 3

SUMMARY EXAMINATION AREA				N	O	
NUMBER IDENTIFICATION				O	G	T
CATGY EXAM				R	E	H
ITEM NO METHOD PROCEDURE				E	O	E
				C	M	R
				REMARKS		
				CALIBRATION BLOCK		

32-DI-2001-WA3-C

463000	DI-2001-HL5001	PIPING-3	VT-3	ZA-0023	R1	C	-	-
	SH-V(2)	-	VT-4	ZA-0023	R1	C	-	-

32-DI-2002-WA3-D

463100	DI-2002-HL5001	PIPING-3	VT-3	ZA-0023	R1	C	-	-
	GUIDE	-						

32-DI-2002-WA3-C

63200	DI-2002-HL5002	PIPING-3	VT-3	ZA-0023	R1	C	-	-
	RR	-						

463300	DI-2002-HL5003	PIPING-3	VT-3	ZA-0023	R1	C	-	-
	RR	-						

APPENDIX C

ISI LIMITATIONS

APPENDIX C
ISI LIMITATIONS

Table of Contents

STPEGS-1 Summary of Inservice Examination Limitations

ASME Category B-A
Reactor Pressure Vessel

APPENDIX C
ISI LIMITATIONS

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 2
SUMMARY OF INSERVICE INSPECTION LIMITATIONS

The following tables provide details on the limitations which were encountered during the ISI examinations at the South Texas Project Electric Generating Station, Unit 2 (STPEGS-2). Each table of this summary provides the following information as described:

Column 1 - Class/Category/Item No./Examination Requirement

Identifies the ASME Section XI Code Class, Category, Item Number, and Examination Requirement (volumetric or surface) for the specific examination area listed in Column 2. This information is derived from Tables IWB-2500-1 and IWC-2500-1 of the 1983 Edition of ASME Section XI (with Addenda through Summer 1983), and Tables 1 and 2 of Code Case N-408.

Column 2 - Line No./Subassembly
Weld Identification
Weld ID Figure
Weld Configuration
Examination Method

Provides information for each examination area by line number (piping) or subassembly number (vessel), unique weld identification number, weld ID figure reference, weld configuration (pipe-to-tee, head-to-shell, etc.), and examination method (UT, UT/PT, or UT/MT).

Column 3 - Exam Type

Lists the Methods of Examinations used for each area by specific angles for UT (0, 45, 45T, 60, 60T) and surface technique (MT or PT), if required.

Column 4 - % Coverage

The extent of coverage for each exam type is expressed in percentages based on the examination volume/area required in Section XI. Depending on method, the percentage coverage may be represented in more than one way.

Surface methods are the simplest and are expressed as a percentage of the required surface area receiving no coverage and the remaining balance from 100% as the total coverage.

Ultrasonic coverage may be first expressed for each exam type as a percentage of the volume receiving no coverage, angle-beam coverage in one direction, and angle-beam coverage in two directions. These percentages are then used to compute the effective coverage for that exam type. In the case of 0 degree, the effective coverage is equal to the balance of 100% minus the percentage receiving no coverage.

APPENDIX C ISI LIMITATIONS

The effective coverage for angle beam is calculated from the following formula:

$$c = \frac{a + 2*b}{2} \quad (\text{effective coverage formula, angle beam})$$

where a = one direction only percentage

b = two direction percentage

c = effective coverage as a percentage

Examples:

(1) none 1 dir 2 dir
 0% 0% 100%

$$c = \frac{0 + 2*100}{2} = 100\% \text{ effective coverage}$$

(2) none 1 dir 2 dir
 0% 100% 0%

$$c = \frac{100 + 2*0}{2} = 50\% \text{ effective coverage}$$

(3) none 1 dir 2 dir
 50% 50% 0%

$$c = \frac{50 + 2*0}{2} = 25\% \text{ effective coverage}$$

The total UT coverage is then expressed as the average of the effective coverage percentages for each UT exam type. As an alternative to the above method, coverage may be directly listed as the effective coverage. Each UT exam type is considered as equal weight in the calculation of the average.

Column 5 - Limitation

A description of the type of limitation and primary reason for why the coverage was limited is provided in this section.

APPENDIX C ISI LIMITATIONS

ASME SECTION XI CODE COVERAGE/LIMITATIONS

1999 2RE07 ISI

SOUTH TEXAS PROJECT ELECTRIC GENERATING STATION, UNIT 2

ASME CATEGORY B-A

LESS THAN 90%

SYSTEM: REACTOR PRESSURE VESSEL

CLASS CATG	LINE NO/SUBASSEMBLY WELD IDENTIFICATION	EXAM TYPE	% COVERAGE					LIMITATION
			NONE	1 DIR ONLY	2 DIR	EFF COV	TOTAL	
ITEM NO	WELD ID FIGURE							
EXM ROT	WELD CONFIGURATION							
SUM NO	EXAMINATION METHOD							
1	CIRCUMFERENTIAL WELD	UT0	-	-	-	72		Limited UT due to proximity of Core Support Lugs. Calibration of 45 and 60 extended to full-vee for maximum coverage.
B-A	RPV2-101-141	UT45	30	-	70	70		
B1.11	A-RPV-1	UT45T	28	-	72	72		
VOL	Lower Shell to Bottom Head Torus	UT60	29	-	71	71		
000400	UT(Automated)	UT60T	28	-	72	72		
		UT70	35	-	65	65		
		UT70T	37	-	63	63		
							69	

APPENDIX D

NIS-1 FORMS

OWNER'S REPORT FOR INSERVICE INSPECTIONS

FORM NIS-1 (Back)

- 8. Examination Dates 09/27/99 to 11/02/99 9. Inspection Interval from 06/19/89 to 10/18/00
- 10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 1 (IWB) Items - Welds Program)
See Section Appendix A of the 2RE07 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
- 11. Abstract of Conditions Noted.
None.
- 12. Abstract of Corrective Measures Recommended and Taken.
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 2/2 ²⁰⁰⁰ 19 Signed South Texas Project Nuclear Operating Company By J. C. Younger
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 09/27/99 to 11/02/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. Russell Commissions Tex 826
 Inspector's Signature National Board, State, Province, and Endorsements
 B. R. Russell
 Date 2-7-2000

FORM NIS-1 (Back)

- 8. Examination Dates 02/03/99 to 11/01/99 9. Inspection Interval from 06/19/89 to 10/18/00
- 10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 2 (IWC) Items - Welds Program)
See Appendix A of the 2RE07 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
- 11. Abstract of Conditions Noted.
None.
- 12. Abstract of Corrective Measures Recommended and Taken.
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 2/2 1920 Signed South Texas Project Nuclear Operating Company By J.C. Younger
Owner J.C. Younger

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 02/03/99 to 11/01/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. Russell Commissions Tex 826
Inspector's Signature National Board, State, Province, and Endorsements
B. R. Russell

Date 2-7-20

FORM NIS-1 (Back)

- 8. Examination Dates 10/20/99 to 11/02/99 9. Inspection Interval from 06/19/89 to 10/18/00
- 10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 1 Component Supports - Piping and Equipment)
See Appendix B of 2RE07 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval is 100%.
- 11. Abstract of Conditions Noted.
None.
- 12. Abstract of Corrective Measures Recommended and Taken.
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 2/2 ²⁰⁰⁰ Signed South Texas Project Nuclear Operating Company By J. C. Younger
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 10/20/99 to 11/02/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. R. Russell

Inspector's Signature
B. R. Russell

Commissions Tex 826
National Board, State, Province, and Endorsements

Date 2-7- ²⁰⁰⁰ 00

FORM NIS-1 (Back)

- 8. Examination Dates 10/06/99 to 10/25/99 9. Inspection Interval from 06/19/89 to 10/18/00
- 10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. (ASME Code Class 2 Component Supports - Piping and Equipment)
See Appendix B of the 2RE07 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
- 11. Abstract of Conditions Noted.
None.
- 12. Abstract of Corrective Measures Recommended and Taken.
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 2/2 19²⁰⁰⁰ Signed South Texas Project Nuclear Operating Company By J.C. Younger
Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 10/06/99 to 10/25/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. Russell

Inspector's Signature
B. R. Russell

Commissions Tex 826
National Board, State, Province, and Endorsements

Date 2-7- 20⁰⁰ 2-7-00

FORM NIS-1 (Back)

- 8. Examination Dates 02/01/99 to 02/01/00 9. Inspection Interval from 06/19/89 to 10/18/00
- 10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. **(ASME Code Class 3 Component Supports - Piping and Equipment)**
See Appendix B of the 2RE07 Summary Report for list of examinations performed. The examinations performed this outage constitute a cumulative percentage completed for the interval of 100%.
- 11. Abstract of Conditions Noted.
None.
- 12. Abstract of Corrective Measures Recommended and Taken.
None.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of ASME Code, Section XI.

Certificate of Authorization No.(if applicable) N.A. Expiration Date N.A.

Date 2/2 ²⁰⁰⁰ 19 Signed South Texas Project Nuclear Operating Company By J. C. Younger
 Owner

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Texas and employed by Factory Mutual Insurance Co. of Johnston, RI have inspected the components described in this Owner's Report during the period 02/01/99 to 11/01/99, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, express or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

B. R. Russell

Inspector's Signature
 B. R. Russell

Commissions Tex 826
 National Board, State, Province, and Endorsements

Date 2-7- ²⁰⁰⁰ 19 00