

Portland General Electric
Nuclear Division

MEMORANDUM

MWH-117-90N

TO: Distribution
FROM: M. W. Hoffmann
DATE: November 21, 1990
SUBJECT: Transmittal of PGE Topical Report

Enclosed is your copy of PGE-1049, Amendment 4, "Inservice Inspection Program for the Second Ten-Year Interval."

Please acknowledge receipt by completing the lower portion of this transmittal and returning it to the location given below.

MWH/mew
Enclosure

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington DC 20555

ACKNOWLEDGEMENT

PGE-1049
Inservice Inspection Program for the Second Ten-Year Interval

I hereby acknowledge receipt of Controlled Copy Number(s) _____
of the subject document.

Signature of Copy Holder

Date

Return to: Mary E. Wagner, TNB-1 NSRD
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Trojan Nuclear Plant
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TROJAN NUCLEAR PLANT
INSERVICE INSPECTION PROGRAM FOR THE SECOND 10-YEAR INTERVAL

PGE-1049
Amendment 4

The following information is furnished as a guide for the insertion of new sheets for Amendment 4 into PGE-1049, Inservice Inspection Program for the Second 10-year Interval. This material is denoted by use of the amendment number and date in the lower outside corner of the page.

New sheets should be inserted as listed below:

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Title	Title
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iii/iv	iii/iv
<u>Section 1</u>	<u>Section 1</u>
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<u>Section 2</u>	<u>Section 2</u>
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<u>Section 3</u>	<u>Section 3</u>
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TROJAN NUCLEAR PLANT

INSERVICE INSPECTION PROGRAM

FOR THE

SECOND TEN-YEAR INTERVAL

January 1, 1987

through

December 31, 1996

Reviewed By: *Aregay J Kent* Date: *11/15/90*
Supervising Engineer Inservice Inspection

Reviewed By: *Aregay J Kent* Date: *11/15/90*
Br Manager, Surveillance & Test Engineering

Reviewed By: *Jerry J. Sweet* Date: *11/15/90*
Authorized Nuclear Inservice Inspector (ANII)

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TROJAN NUCLEAR PLANT
INSERVICE INSPECTION PROGRAM

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TROJAN NUCLEAR PLANT
INSERVICE INSPECTION PROGRAM

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8-3	Inservice Inspection Plan for the Second Interval, Class 3 Section XI Summary
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13-1	NDE Calibration Standards

TROJAN NUCLEAR PLANT
INSERVICE INSPECTION PROGRAM

RECORD OF AMENDMENTS

<u>Interval</u>	<u>Amendment No.</u>	<u>Date</u>
First Ten-Year (PGE-1032)	0	March 20, 1979
Second Ten-Year (PGE-1049)	0	November 14, 1986
	1	October 10, 1989
	2	April 13, 1990
	3	July 11, 1990
	4	November 21, 1990

TROJAN NUCLEAR PLANT
INSERVICE INSPECTION PROGRAM

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1-2	2	April 1990
2-1 and 2-2	2	April 1990
2-3	4	Nov. 1990
2-4 thru 2-6	1	Oct. 1989
3-1 and 3-2	4	Nov. 1990
4-1 thru 4-4	2	April 1990
5-1 thru 5-3	2	April 1990
6-1 thru 6-10	2	April 1990
6-11	3	July 1990
7-1 and 7-2	4	Nov. 1990
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TROJAN NUCLEAR PLANT
INSERVICE INSPECTION PROGRAM

1.0 INTRODUCTION

The Inservice Inspection (ISI) Program contained herein describes the inservice inspections to be implemented by Portland General Electric Company (PGE), Surveillance and Test Engineering Branch (STE), at the Trojan Nuclear Plant for the second Ten-Year Inspection Interval. STE develops programs and procedures relative to specific inservice inspection categories. This program defines the specific ISI requirements for American Society of Mechanical Engineers (ASME) Class 1, 2 and 3 systems and components in compliance with the applicable requirements set forth in Title 10, Code of Federal Regulations, Part 50 (10 CFR 50) issued October 28, 1985, the Trojan Technical Specification 3.4.10.1, and ASME Section XI Boiler and Pressure Vessel (B&PV) Code, 1983 Edition, through Summer 1983 Addenda, supplemented by later approved editions as applicable.

As stated in 10 CFR 50.55a(g)(4), throughout the service life of Trojan, components and supports, which are classified as ASME Class 1, 2 and 3 shall meet the requirements, except design and access provisions, set forth in Section XI of editions of the ASME B&PV Code that subsequently become effective and are incorporated by reference in 10 CFR 50.55a(b).

The inspection program implemented for the first ten-year interval was developed in accordance with the rules and standards of ASME Section XI, 1974 Edition and Addenda through the Summer of 1975. The inspection program implemented for the second ten-year interval was developed in accordance with the rules and standards of ASME Section XI, 1983 Edition and Addenda through the Summer of 1983. Amendment 1 to the second ten-year program included an upgrade to the 1986 Edition of the Code for Class 2 piping welds.

The application for a construction permit for Trojan was submitted prior to the issuance of Nuclear Regulatory Commission (NRC) Regulatory

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Guide 1.26. Systems and components at Trojan are classified by quality group according to the criteria outlined in Section 3.2.2 of the Final Safety Analysis Report (FSAR). A review of this criteria relative to the criteria outlined in Nuclear Regulatory Commission (NRC) Regulatory Guide 1.26 has been performed with the conclusion that the Quality group classification system used at Trojan is consistent with that of Regulatory Guide 1.26. Based on this conclusion, the following relation between Trojan quality group and ASME Section XI Code Classes has been adopted for the purpose of defining ISI requirements for Trojan.

<u>Trojan Quality Group</u>	<u>ASME Section XI Code Class</u>
1	1
2	2
3a	3
3b	3
4a	Non-Class
4b	Non-Class

The system boundaries subject to the applicable examination requirements of the Code are discussed in Section 12.1 for Class 1 systems, Section 12.2 for Class 2 systems, and Section 12.3 for Class 3 systems. The Preservice Inspection for Trojan was conducted in accordance with the 1971 Edition through Winter 1972 Addenda of the ASME Boiler and Pressure Vessel Code, Section XI.

In certain cases, strict compliance with ASME Section XI has been determined to be impractical for Trojan. As provided in 10 CFR 50.55a(g)(5)(iii), if conformance with certain code requirements is impractical for the facility, the licensee shall notify the Commission, by submitting Request for Relief. These Requests for Relief have been included in Section 10.0 of this document.

Plant Documents

- a. Trojan Nuclear Plant - Final Safety Analysis Report.
- b. Trojan Nuclear Plant - PGE-1032, First 10-Year Inspection Plan.
- c. Trojan Nuclear Plant - Preservice Inspection Plan.

Relief Requests

Code of Federal Regulations 10 CFR 50.55a(g)(5)(iii).

Correspondence

PGE to NRC Letter, "Revision to Topical Report PGE-1049, 'Trojan Nuclear Plant Inservice Inspection Program Second Ten-Year Interval'", Dated September 29, 1989.

Augmented Requirements

Code of Federal Regulations 10 CFR 50.55a(g)(6)(ii).

Repairs, modifications, replacements, and alterations to pressure-retaining components will be made in accordance with ASME Section XI, Articles IWA-4000 and IWA-7000, as applicable.

ASME Section XI, Subsection IWE, requirements for the examination, ISI, repair and replacement of Class MC pressure-retaining components and their integral attachments, and steel portions of Class MC pressure-retaining components not backed up by concrete, and their integral attachments will be considered separately per the Federal Register, Volume 48, Number 26, dated Monday, February 7, 1983.

This ISI Program is subject to change via relief requests, appendices or document amendments. The Trojan ISI Program will be updated every ten years or more frequently as required to reflect optional owner upgrades and regulatory commitments.

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3.0 ADMINISTRATION

The Inservice Inspection (ISI) of American Society of Mechanical Engineers (ASME) Section XI, Class 1, 2, and 3 components and their supports, is required by the Trojan Nuclear Plant Technical Specifications, Appendix A to Facility Operating License (FOL) NPF-1. The Portland General Electric Company (PGE) Surveillance and Test Engineering Branch (STE) administers the Trojan Nuclear Plant ISI Program per Topical Report PGE-1049, "Trojan Nuclear Plant Inservice Inspection Program Second Ten-Year Interval". The program detailed in PGE-1049 is one of several programs developed by STE to insure examinations and tests are performed to fulfill the requirements of ASME Section XI. Other programs are referenced in the Section XI Summary Tables in Section 8.0, as applicable.

It has been acknowledged by the Nuclear Regulatory Commission (NRC) that variances or exceptions to examination requirements and scheduling will be identified during implementation of the ISI Program. STE is assigned the responsibility for identifying and reporting these exceptions to the Nuclear Safety and Regulation Department (NSRD) for subsequent reporting to the NRC.

Implementation of the program described in this report will be accomplished in accordance with PGE-8010, "Nuclear Quality Assurance Program". Compliance with the provisions of the examination and testing requirements of ASME Section XI shall be assured by an Inspector as required by Paragraph IWA-2120.

All items to be examined during a given period are to be scheduled for completion by the end of the applicable period. A summary ISI report for Class 1 and Class 2 components and their supports shall be filed within 90 days after completion of the ISI, with the enforcement and regulatory authority having jurisdiction at the Plant. Completion of the ISI

(1) | corresponds with the Class 1 Reactor Coolant System Leakage Test performed at the conclusion of each annual refueling outage. The summary ISI report will be prepared by the Inservice Inspection/Inservice Testing group.

7.0 AUGMENTED EXAMINATION CRITERIA

In addition to the requirements of American Society of Mechanical Engineers (ASME) Section XI, Trojan is committed to the provision in Title 10, Code of Federal Regulations, Part 50.55a(g)(6)(ii) [10 CFR 50.55a(g)(6)(ii)] in which the Commission may augment inservice inspection (ISI) requirements for systems or components which may be deemed necessary to assure added structural reliability. The following is a list of items in the ISI Program that have been added as augmented code requirements, or are required by Trojan Technical Specifications:

- (1) The reactor coolant pump (RCP) motor flywheels are to be examined in accordance with the recommendations of Regulatory Position C.4.b of Nuclear Regulatory Commission (NRC) Regulatory Guide 1.14, "Reactor Coolant Pump Flywheel Integrity", Revision 1, August 1975, as required by Trojan Technical Specification (TTS) 4.4.10.1, "Reactor Coolant System Structural Integrity". Surface examinations will be performed on each flywheel at approximately ten-year intervals and volumetric examinations will be performed on each flywheel at approximately three-year intervals.
- (2) The welds located in the main steam piping break exclusion zone are to be examined as required by Portland General Electric Company (PGE) Topical Report PGE-1004, "Analyses of Pipe System Breaks Outside Containment", which is supplemented by Memorandum SRC-1565-75M, dated August 18, 1975. Surface and volumetric examinations will be performed on all welds to the maximum extent practical each ISI interval.
- (3) A 7.5 percent sample of Class 2 Containment spray system piping welds are to be examined each ISI interval as committed to the NRC by letter dated September 29, 1989. Surface and volumetric examinations will be scheduled and performed in accordance with ASME Section XI.

- (4)
- (4) The main feedwater nozzles are to be examined as corrective actions for Nonconformance Reports 87-322, 87-323, and 87-324, which are supplemented by Memorandum ANR-0304-88M, dated March 10, 1988. Volumetric examinations will be performed on each nozzle every other refueling outage.

 - (5) The impeller and shaft of each RCP are to be examined per Operational Assessment Review (OAR) 84-103, which documents the assessment of NRC Office of Inspection and Enforcement (IE) Information Notice 85-03, "Separation of Primary Reactor Coolant Pump Shaft and Impeller". Surface and volumetric examinations will be performed whenever an RCP is disassembled.

8.0 EXAMINATION SCHEDULING CRITERIA

Scheduling of examinations for the Inservice Inspection (ISI) Program is based upon the following American Society of Mechanical Engineers (ASME) Section XI inspection programs. Subsubarticle IWA-2420, "Inspection Program B", has been adopted for the inspection intervals. Paragraphs IWB-2412, "Inspection Program B", and IWC-2412, "Inspection Program B", have been adopted for the inspection schedules. The inspection schedules for components covered by Subsections IWD and IWF correspond to the inspection schedules of Paragraphs IWB-2412 and IWC-2412.

The second ten-year inspection interval is January 1, 1987 through December 31, 1996. The three inspection periods within the second ten-year interval are divided as follows: four years for the first period (1987-1990), three years for the second period (1991-1993), and three years for the third period (1994-1996).

The durations of the first and second periods were modified based on the following:

Examination requirements for the first ten-year interval were completed in August of 1987. In order to maintain the ISI program schedule the start of the second ten-year interval has been defined as January 1, 1987. Examinations performed in 1987 were not used for credit for the second ten-year interval. As a result of the overlap of the two ten-year intervals, examinations performed for credit for the second ten-year interval began in 1988. Correspondingly, the first period has been expanded to four years to provide an actual three year work window to satisfy examination percentage requirements. This, in combination with the subsequent reduction of the second period to three years, provides the means of completion of the second ten-year interval examination requirements without an extension to the overall schedule.

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The examinations are scheduled to coincide with the refueling outages (RFs) as applicable. A standard RF is tentatively scheduled to occur at the end of a fuel cycle which is approximately 12 months in length.

(3)

Section XI defines the extent and frequency for required examinations for each interval. With the exception of components which may be deferred until the end of the inspection interval, and examinations governed by independent programs and Technical Specifications, the following percentage-of-completion requirements are applied:

1st Period - Sixteen percent minimum examinations completed with credit taken for no more than 34 percent.

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2nd Period - Fifty percent minimum examinations completed with credit taken for no more than 67 percent (these are cumulative percentages).

3rd Period - One hundred percent of the ISI Program examinations shall be completed by the end of this period.

(4)

A summary of components subject to examination during the second ten-year inspection interval is provided in Section XI Summary Tables 8-1, 8-2, 8-3, and 8-4 of this section. The number of examination areas by category and item number is included in the tables, along with the corresponding schedule of examinations for Section XI code compliance.

8.1 INSERVICE INSPECTION (ISI) PROGRAM INFORMATION

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The ISI Program is categorized in conjunction with Section XI examination categories for Class 1, 2 and 3 and IWF components. The following items describe the information presented in the ISI Program:

- (1) Examination Category - An itemized listing of examination areas, items, and components required for Class 1, 2 and 3 examination categories (e.g., B-A, C-A, D-A and F-A).

- (2) Item Number - A division within an examination category which separates the specific examination requirements (e.g., B1.10, C2.20 and D3.30).
- (3) Description - Identifies the components subject to examination (e.g., shell to flange, piping circumferential weld, etc.).
- (4) Exam Method - Identifies the nondestructive examination method required for each component. The NDT abbreviations are as follows:

Surface	- MT:	Magnetic Particle Testing
Surface	- PT:	Dye Penetrant Testing
Volumetric	- UT:	Ultrasonic Testing
Volumetric	- RT:	Radiography Testing
Visual	- VT-1:	Visual Examination (Surface Conditions)
Visual	- VT-2:	Visual Examination (Leak Testing)
Visual	- VT-3:	Visual Examination (General Conditions)

- (5) System Description - Identifies the specific system or portion of a system, unique to the component.
- (6) Number of Components - A summation of the total number of components as inspected in the initial preservice inspection, and is the baseline for determining the total credited examinations.
- (7) Component Schedule/Complete - Identifies the number of components scheduled for examination and which period inspection will be performed.
- (8) Remarks/Comments - Additional information beneficial to the component listed for examination.

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-A - PRESSURE RETAINING WELDS IN REACTOR VESSEL

ASME				# OF COMPONENTS						
SEC. XI				# OF	NO.	SCHEDULED/COMPLETED				
ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	COMP	REQ	1ST PER	2ND PER	3RD PER	PER	COMMENTS
B 1.10	SHELL WELDS		N/A							
B 1.11	CIRCUMFERENTIAL SHELL WELDS	VOLUMETRIC	REACTOR VESSEL	3	1	0	0	0	0	1 0 100% OF ONE BELTLINE REGION WELD, DEFERRAL PERMISSIBLE
B 1.12	LONGITUDINAL SHELL WELDS	VOLUMETRIC	REACTOR VESSEL	7	1	0	0	0	0	1 0 100% OF ONE BELTLINE REGION WELD, DEFERRAL PERMISSIBLE
B 1.20	HEAD WELDS		N/A							
B 1.21	CIRCUMFERENTIAL HEAD WELDS	VOLUMETRIC	REACTOR VESSEL CLOSURE HEAD	1	0	0	0	0	0	0 0 SEE RR-A1, 100% OF ACCESSIBLE LENGTH OF ONE WELD, DEFERRAL PERMISSIBLE (BOTTOM HEAD ONLY)
		VOLUMETRIC	REACTOR VESSEL LOWER HEAD	1	1	0	0	0	0	1 0
			ITEM TOTAL	2	1	0	0	0	0	1 0 0% 0% 100%
B 1.22	MERIDIONAL HEAD WELDS	VOLUMETRIC	REACTOR VESSEL LOWER HEAD	7	1	0	0	0	0	1 0 SEE RR-A1, 100% OF ACCESSIBLE LENGTH OF ONE WELD, DEFERRAL PERMISSIBLE (BOTTOM HEAD ONLY)
		VOLUMETRIC	REACTOR VESSEL UPPER HEAD	7	0	0	0	0	0	0 0
			ITEM TOTAL	14	1	0	0	0	0	1 0 0% 0% 100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE IWB

CATEGORY B-A - PRESSURE RETAINING WELDS IN REACTOR VESSEL

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	# OF COMPONENTS SCHEDULED/COMPLETED						COMMENTS	
					NO. REQ	1ST PER	2ND PER	3RD PER	PER	PER		
B 1.30	SHELL-TO-FLANGE WELD	VOLUMETRIC	REACTOR VESSEL	1	1	0	1	0	0	0	0	100% OF WELD, PARTIAL DEFERRAL PERMISSIBLE PER NOTES (5) & (6) OF TABLE IWB-2500-1
B 1.40	HEAD-TO-FLANGE WELD	VOLUMETRIC SURFACE	REACTOR VESSEL CLOSURE HEAD	1	2	0	1	0	0	1	0	100% OF WELD, PARTIAL DEFERRAL PERMISSIBLE
B 1.50	REPAIR WELDS		N/A									
B 1.51	REPAIR WELDS-BELTLINE REGION		N/A									
CATEGORY TOTAL				28	7	0	2	0	0	5	0	28% 28% 100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE IWB

CATEGORY B-B - PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 2.10	PRESSURIZER-SHELL-TO-HEAD WELDS		N/A									
B 2.11	PRESSURIZER-CIRCUMFERENTIAL SHELL-TO-HEAD WELDS	VOLUMETRIC	PRESSURIZER	2	2	0	1	0	0	1	0	100% OF BOTH WELDS, DEFERRAL NOT PERMISSIBLE
B 2.12	PRESSURIZER-LONGITUDINAL SHELL-TO-HEAD WELDS	VOLUMETRIC	PRESSURIZER	2	2	0	0	1	0	1	0	1 FT. OF ONE WELD PER HEAD AT THE HEAD CIRCUMFERENTIAL WELD, DEFERRAL NOT PERMISSIBLE
B 2.20	PRESSURIZER-HEAD WELDS		N/A									
B 2.21	CIRCUMFERENTIAL HEAD WELDS		N/A									
B 2.22	MERIDIONAL HEAD WELDS		N/A									
B 2.30	STEAM GENERATORS (PRIMARY SIDE)-HEAD WELDS		N/A									
B 2.31	STEAM GENERATORS (PRIMARY SIDE)-CIRCUMFERENTIAL HEAD WELDS		N/A									
B 2.32	STEAM GENERATORS (PRIMARY SIDE)-MERIDIONAL HEAD WELDS		N/A									
B 2.40	STEAM GENERATORS (PRIMARY SIDE)-TUBESHEET-TO-HEAD WELD	VOLUMETRIC	STEAM GENERATORS	4	1	0	1	0	0	0	0	100% OF ONE WELD LENGTH, DEFERRAL NOT PERMISSIBLE
B 2.50	HEAT EXCHANGERS (PRIMARY SIDE)-HEAD-HEAD WELDS		N/A									
B 2.51	HEAT EXCHANGERS (PRIMARY SIDE)-HEAD-CIRCUMFERENTIAL HEAD WELDS		N/A									

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE IWB

CATEGORY B-B - PRESSURE RETAINING WELDS IN HEAT EXCHANGERS-HEAD

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS						
					REQ	1ST PER	2ND PER		3RD PER					
B 2.52	HEAT EXCHANGERS (PRIMARY SIDE)-HEAD-MERIDIONAL HEAD WELDS		N/A											
B 2.60	HEAT EXCHANGERS (PRIMARY SIDE)-SHELL-TUBESHEET-TO-HEAD WELDS		N/A											
B 2.70	HEAT EXCHANGERS (PRIMARY SIDE)-SHELL-LONGITUDINAL WELDS		N/A											
B 2.80	HEAT EXCHANGERS (PRIMARY SIDE)-SHELL-TUBESHEET-TO-SHELL WELDS		N/A											
CATEGORY TOTAL				8	5	0	2	1	0	2	0	40%	60%	100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-D - FULL PENETRATION WELDS OF NOZZLES IN REACTOR VESSEL (INSPECTION PROGRAM A)

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS							
				# OF COMP	NO. REQ	1ST PER	2ND PER	3RD PER	COMMENTS		
B 3. 10	REACTOR VESSEL-NOZZLE-TO-VESSEL WELDS		N/A								
B 3. 20	REACTOR VESSEL-NOZZLE INSIDE RADIUS SECTION		N/A								
B 3. 30	PRESSURIZER-NOZZLE-TO-VESSEL WELDS		N/A								
B 3. 40	PRESSURIZER-NOZZLE INSIDE RADIUS SECTION		N/A								
B 3. 50	STEAM GENERATORS (PRIMARY SIDE)-NOZZLE-TO-VESSEL WELDS		N/A								
B 3. 60	STEAM GENERATORS (PRIMARY SIDE)-NOZZLE INSIDE RADIUS SECTION		N/A								
B 3. 70	HEAT EXCHANGERS (PRIMARY SIDE)-NOZZLE-TO-VESSEL WELDS		N/A								
B 3. 80	HEAT EXCHANGERS (PRIMARY SIDE)-NOZZLE INSIDE RADIUS SECTION		N/A								
B 3. 90	REACTOR VESSEL-NOZZLE-TO-VESSEL WELDS	VOLUMETRIC	REACTOR VESSEL NOZZLE ORIENTATION	8	8	0	4	0	0	4	0 ALL NOZZLES, 25% TO 50% 1ST PERIOD, REMAINDER BY END OF INTERVAL
B 3.100	REACTOR VESSEL-NOZZLE INSIDE RADIUS SECTION	VOLUMETRIC	REACTOR VESSEL NOZZLE ORIENTATION	8	8	0	4	0	0	4	0 ALL NOZZLES, 25% TO 50% 1ST PERIOD, REMAINDER BY END OF INTERVAL
B 3.110	PRESSURIZER-NOZZLE-TO-VESSEL WELDS	VOLUMETRIC	PRESSURIZER	6	6	0	2	2	0	2	0 ALL NOZZLES, 25% TO 50% 1ST PERIOD, REMAINDER BY END OF INTERVAL

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-D - FULL PENETRATION WELDS OF NOZZLES IN REACTOR VESSEL (INSPECTION PROGRAM B)

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 3.120	PRESSURIZER-NOZZLE INSIDE RADIUS SECTION	VOLUMETRIC	PRESSURIZER	6	6	0	2	2	0	2	0	ALL NOZZLES, 25% TO 50% 1ST PERIOD, REMAINDER BY END OF INTERVAL
B 3.130	STEAM GENERATORS (PRIMARY SIDE)-NOZZLE-TO-VESSEL WELDS		N/A									
B 3.140	STEAM GENERATORS (PRIMARY SIDE)-NOZZLE INSIDE RADIUS SECTION	VOLUMETRIC	STEAM GENERATORS	8	8	0	2	2	0	4	0	SEE RR-A2, VISUAL EXAMINATION PERFORMED IN LIEU OF VOL. EXAM, ALL NOZZLES, 25% TO 50% 1ST PERIOD
B 3.150	HEAT EXCHANGERS (PRIMARY SIDE)-NOZZLE-TO-VESSEL WELDS		N/A									
B 3.160	HEAT EXCHANGERS (PRIMARY SIDE)-NOZZLE INSIDE RADIUS SECTION		N/A									
CATEGORY TOTAL				36	36	0	14	6	0	16	0	
							38%			55%		100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-E - PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS	
						1ST PER	2ND PER	3RD PER		
B 4.10	PARTIAL PENETRATION WELDS		N/A							
B 4.11	VESSEL NOZZLES		N/A							
B 4.12	CONTROL ROD DRIVE NOZZLES		N/A							
B 4.13	INSTRUMENTATION NOZZLES		N/A							
B 4.20	PRESSURIZER-HEATER PENETRATION WELDS	VISUAL	PRESSURIZER	1	0	0	0	0	0	VISUAL PERFORMED IN CONJUNCTION WITH RCS LEAKAGE TEST, PET 9-10, DEFERRAL PERMISSIBLE
CATEGORY TOTAL				1	0	0	0	0	0	
						0%		0%		0%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE JWE

CATEGORY B-F - PRESSURE RETAINING DISSIMILAR METAL WELDS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 5. 10	REACTOR VESSEL-NOZZLE-TO-SAFE END BUTT WELDS >= 4 INCHES NOMINAL PIPE SIZE	VOLUMETRIC SURFACE	REACTOR VESSEL NOZZLE	8	8	0	4	0	0	4	0	ALL WELDS, MAY COINCIDE WITH CAT. B-D
B 5. 20	REACTOR VESSEL-NOZZLE-TO-SAFE END BUTT WELDS < 4 INCHES NOMINAL PIPE SIZE		N/A									
B 5. 30	REACTOR VESSEL-NOZZLE-TO-SAFE END SOCKET WELDS		N/A									
B 5. 40	PRESSURIZER-NOZZLE-TO-SAFE END BUTT WELDS >= 4 INCHES NOMINAL PIPE SIZE	VOLUMETRIC SURFACE	PRESSURIZER NOZZLE HEAD RELIEF	1	1	0	0	0	0	1	0	ALL WELDS, DEFERRAL NOT PERMISSIBLE
		VOLUMETRIC SURFACE	PRESSURIZER NOZZLE HEAD SPRAY	1	1	0	0	1	0	0	0	
		VOLUMETRIC SURFACE	PRESSURIZER NOZZLE SAFETY RELIEF	3	3	0	1	2	0	0	0	
		VOLUMETRIC SURFACE	PRESSURIZER NOZZLE SURGE LINE	1	1	0	0	0	0	1	0	
			ITEM TOTAL	6	6	0	1	3	0	2	0	
						1/3		66%		100%		
B 5. 50	PRESSURIZER-NOZZLE-TO-SAFE END BUTT WELDS < 4 INCHES NOMINAL PIPE SIZE		N/A									
B 5. 60	PRESSURIZER-NOZZLE-TO-SAFE END SOCKET WELDS		N/A									
B 5. 70	STEAM GENERATOR-NOZZLE-TO-SAFE END BUTT WELDS >= 4 INCHES NOMINAL PIPE SIZE	VOLUMETRIC SURFACE	STEAM GENERATORS	8	8	0	2	4	0	2	0	ALL WELDS, DEFERRAL NOT PERMISSIBLE
B 5. 80	STEAM GENERATOR-NOZZLE-TO-SAFE END BUTT WELDS < 4 INCHES NOMINAL PIPE SIZE		N/A									

Table B-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-F - PRESSURE RETAINING DISSIMILAR METAL WELDS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS					COMMENTS		
				# OF COMP	NO. REQ	SCHEDULED/ 1ST PER	COMPLETED 2ND PER	3RD PER			
B 5.90	STEAM GENERATOR-NOZZLE-TO-SAFE END SOCKET WELDS		N/A								
B 5.100	HEAT EXCHANGERS-NOZZLE-TO-SAFE END BUTT WELDS >= 4 INCHES NOMINAL PIPE SIZE		N/A								
B 5.110	HEAT EXCHANGERS-NOZZLE-TO-SAFE END BUTT WELDS < 4 INCHES NOMINAL PIPE SIZE		N/A								
B 5.120	HEAT EXCHANGERS-NOZZLE-TO-SAFE END SOCKET WELDS		N/A								
B 5.130	PIPING-DISSIMILAR METAL BUTT WELDS >= 4 INCHES NOMINAL PIPE SIZE		N/A								
B 5.140	PIPING-DISSIMILAR METAL BUTT WELDS < 4 INCHES NOMINAL PIPE SIZE		N/A								
B 5.150	PIPING-DISSIMILAR METAL SOCKET WELDS		N/A								
CATEGORY TOTAL				22	22	0	7	7	0	8	0
						31%		63%		100%	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 1 SECTION XI SUMMARY
TABLE 1WB

CATEGORY B-G-1 - PRESSURE RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 6. 10	REACTOR VESSEL-CLOSURE HEAD NUTS	SURFACE	REACTOR VESSEL BOLTING	54	54	0	18	18	0	18	0	ALL NUTS, DEFERRAL PERMISSIBLE
B 6. 20	REACTOR VESSEL-CLOSURE STUDS, IN PLACE		N/A									
B 6. 30	REACTOR VESSEL-CLOSURE STUDS, WHEN REMOVED	VOLUMETRIC SURFACE	REACTOR VESSEL BOLTING	54	54	0	18	18	0	18	0	ALL STUDS, DEFERRAL PERMISSIBLE
B 6. 40	REACTOR VESSEL-THREADS IN FLANGE	VOLUMETRIC	REACTOR VESSEL FLANGE ORIENTATION	54	54	0	18	0	0	36	0	ALL THREADS IN FLANGE, DEFERRAL PERMISSIBLE
B 6. 50	REACTOR VESSEL-CLOSURE WASHERS, BUSHINGS	VISUAL	REACTOR VESSEL BOLTING	54	54	0	18	18	0	18	0	ALL WASHERS & BUSHINGS, DEFERRAL PERMISSIBLE
B 6. 60	PRESSURIZER-BOLTS AND STUDS		N/A									
B 6. 70	PRESSURIZER-FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED		N/A									
B 6. 80	PRESSURIZER-NUTS, BUSHINGS, AND WASHERS		N/A									
B 6. 90	STEAM GENERATORS-BOLTS AND STUDS		N/A									
B 6.100	STEAM GENERATORS-FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED		N/A									
B 6.110	STEAM GENERATORS-NUTS, BUSHINGS, AND WASHERS		N/A									
B 6.120	HEAT EXCHANGERS-BOLTS AND STUDS		N/A									

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-G-1 - PRESSURE RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS SCHEDULED/COMPLETED						COMMENTS	
				# OF COMP	NO. REQ	1ST PER	2ND PER	3RD PER			
B 6.130	HEAT EXCHANGERS-FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED		N/A								
B 6.140	HEAT EXCHANGERS-NUTS, BUSHINGS, AND WASHERS		N/A								
B 6.150	PIPING-BOLTS AND STUDS		N/A								
B 6.160	PIPING-FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED		N/A								
B 6.170	PIPING-NUTS, BUSHINGS, AND WASHERS		N/A								
B 6.180	PUMPS-BOLTS AND STUDS	VOLUMETRIC	REACTOR COOLANT PUMP	4	4	0	1	1	0	2	0 ALL BOLTS & STUDS, LIMITED TO COMP SCHED. BY CAT. B-L-1, DEFERRAL PERMISSIBLE
B 6.190	PUMPS-FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED	VISUAL	REACTOR COOLANT PUMP	4	4	0	0	2	0	2	0 ALL FLANGE SURF., LIMITED TO COMP SCHED. BY CAT. B-L-1, DEFERRAL PERMISSIBLE
B 6.200	PUMPS-NUTS, BUSHINGS, AND WASHERS	VISUAL	REACTOR COOLANT PUMP	4	4	0	1	1	0	2	0 ALL NUTS, BUSH. & WASH, LIMITED TO COMP SCHED. BY CAT. B-L-1, DEFERRAL PERMISSIBLE
B 6.210	VALVES-BOLTS AND STUDS		N/A								
B 6.220	VALVES-FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED		N/A								
B 6.230	VALVES-NUTS, BUSHINGS, AND WASHERS		N/A								

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 1 SECTION XI SUMMARY
TABLE 1WB

CATEGORY B-G-1 - PRESSURE RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
CATEGORY TOTAL				228	228	0	74	58	0	96	0	
							32%		57%		100%	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-G-2 - PRESSURE RETAINING BOLTING, 2 INCHES AND LES, IN DIAMETER

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 7.10	REACTOR VESSEL-BOLTS, STUDS, AND NUTS		N/A									
B 7.20	PRESSURIZER-BOLTS, STUDS, AND NUTS	VISUAL	PRESSURIZER	1	1	0	0	1	0	0	ALL BOLTS, STUDS, AND NUTS, DEFERRAL NOT PERMISSIBLE	
B 7.30	STEAM GENERATORS-BOLTS, STUDS, AND NUTS	VISUAL	STEAM GENERATORS	8	8	0	4	2	0	2	ALL BOLTS, STUDS, AND NUTS, DEFERRAL NOT PERMISSIBLE	
B 7.40	HEAT EXCHANGERS-BOLTS, STUDS, AND NUTS		N/A									
B 7.50	PIPING-BOLTS, STUDS, AND NUTS	VISUAL	BORON INJECTION	4	4	0	0	0	0	4	ALL BOLTS, STUDS AND NUTS, LIMIT TO COMP SCHED. BY CAT. B-J, B-L-1, B-M-1, DEFER. NOT PERMISSIBLE	
		VISUAL	PRESSURIZER SAFETY	3	3	0	1	0	0	2	0	
		VISUAL	REACTOR TEMPERATURE DETECTION	8	8	0	3	2	0	3	0	
		VISUAL	SEAL INJECTION	8	8	0	2	4	0	2	0	
			ITEM TOTAL	23	23	0	6	6	0	11	0	
						26%		52%		100%		
B 7.60	PUMPS-BOLTS, STUDS, AND NUTS	VISUAL	REACTOR COOLANT PUMP	4	4	0	1	1	0	2	0	ALL BOLTS, STUDS AND NUTS, LIMIT TO COMP SCHED. BY CAT. B-J, B-L-1, B-M-1, DEFER. NOT PERMISSIBLE

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION X1 SUMMARY
 TABLE 11B

CATEGORY B-6-2 - PRESSURE RETAINING BOLTING, 2 INCHES AND LESS IN DIAMETER

ASME SEC. X1 ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 7.70	VALVES-BOLTS, STUDS, AND NUTS	VISUAL	ACCUMULATOR DISCHARGE	12	12	0	4	4	0	4	0	ALL BOLTS, STUDS AND NUTS, LIMIT TO COMP SCHED. BY CAT. B-J, B-L-1, B-M-1, DEFER. NOT PERMISSIBLE
		VISUAL	ALTERNATE CHARGING	2	2	0	0	0	0	2	0	
		VISUAL	BORON INJECTION	2	2	0	1	1	0	0	0	
		VISUAL	LETDOWN	2	2	0	0	2	0	0	0	
		VISUAL	NORMAL CHARGING	2	2	0	0	2	0	0	0	
		VISUAL	PRESSURIZER RELIEF	4	4	0	2	0	0	2	0	
		VISUAL	PRESSURIZER SAFETY	3	3	0	0	1	0	2	0	
		VISUAL	PRESSURIZER SPRAY	2	2	0	1	0	0	1	0	
		VISUAL	REACTOR TEMPERATURE DETECTION	9	9	0	1	3	0	5	0	
		VISUAL	RESIDUAL HEAT REMOVAL	4	4	0	3	0	0	1	0	
		VISUAL	SAFETY INJECTION	6	6	0	1	3	0	2	0	
		VISUAL	SAFETY INJECTION HIGH HEAD	3	3	0	3	0	0	0	0	
			ITEM TOTAL	51	51	0	16	16	0	19	0	
							31%			62%		100%
B 7.80	CRD HOUSINGS-BOLTS, STUDS, AND NUTS		N/A									
			CATEGORY TOTAL	87	87	0	27	26	0	34	0	
							31%			60%		100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-H - INTEGRAL ATTACHMENTS FOR VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS								
				# OF COMP	NO. REQ	SCHEDULED 1ST PER	COMPLETED 2ND PER	3RD PER	COMMENTS			
B 8.10	REACTOR VESSEL-INTEGRALLY WELDED ATTACHMENTS		N/A									
B 8.20	PRESSURIZER-INTEGRALLY WELDED ATTACHMENTS	VOLUMETRIC SURFACE	PRESSURIZER	1	1	0	1	0	0	0	0	SEE RR-A4, CATEG. B-H = VOL OR SUR AS APPLICABLE, DEFERRAL NOT PERMISSIBLE
B 8.30	STEAM GENERATORS-INTEGRALLY WELDED ATTACHMENTS		N/A									
B 8.40	HEAT EXCHANGERS-INTEGRALLY WELDED ATTACHMENTS		N/A									
CATEGORY TOTAL				1	1	0	1	0	0	0	0	
						100%		100%		100%		

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-V - PRESSURE RETAINING WELDS IN PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 9.10	NOMINAL PIPE SIZE \geq 4 IN.		N/A									
B 9.11	CIRCUMFERENTIAL WELDS	VOLUMETRIC SURFACE	ACCUMULATOR DISCHARGE	83	21	0	5	9	0	7	0	25% OF ALL WELDS, DEFERRAL NOT PERMISSIBLE
		VOLUMETRIC SURFACE	PRESSURIZER RELIEF	12	4	0	0	2	0	2	0	
		VOLUMETRIC SURFACE	PRESSURIZER SAFETY	30	8	0	4	2	0	2	0	
		VOLUMETRIC SURFACE	PRESSURIZER SPRAY	69	16	0	6	5	0	5	0	
		VOLUMETRIC SURFACE	PRESSURIZER SURGE	11	11	0	10	0	0	1	0	
		VOLUMETRIC SURFACE	REACTOR COOLANT PIPE	42	13	0	1	4	0	8	0	
		VOLUMETRIC SURFACE	REACTOR VESSEL NOZZLE	8	8	0	4	0	0	4	0	
		VOLUMETRIC SURFACE	RESIDUAL HEAT REMOVAL	34	12	0	2	6	0	4	0	
		VOLUMETRIC SURFACE	SAFETY INJECTION	141	33	0	12	11	0	10	0	
		VOLUMETRIC SURFACE	SAFETY INJECTION HIGH HEAD	30	7	0	2	4	0	1	0	
			ITEM TOTAL	460	133	0	46	43	0	44	0	
							34%			66%		100%
B 9.12	LONGITUDINAL WELDS		N/A									
B 9.20	NOMINAL PIPE SIZE < 4 IN.		N/A									

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-J - PRESSURE RETAINING WELDS IN PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 9.21	CIRCUMFERENTIAL WELDS	SURFACE	ALTERNATE CHARGING	6	5	0	3	0	0	2	0	25% OF ALL WELDS, DEFERRAL NOT PERMISSIBLE
		SURFACE	BORON INJECTION	29	9	0	0	3	0	6	0	
		SURFACE	DRAIN LINE	1	1	0	1	0	0	0	0	
		SURFACE	LETDOWN	31	10	0	3	3	0	4	0	
		SURFACE	NORMAL CHARGING	10	10	0	10	0	0	0	0	
		SURFACE	PP: TER RELIEF	14	2	0	1	0	0	1	0	
		SURFACE	REACTOR TEMPERATURE DETECTION	104	22	0	3	10	0	9	0	
		SURFACE	SAFETY INJECTION	3	1	0	0	1	0	0	0	
		SURFACE	SAFETY INJECTION HIGH HEAD	3	1	0	0	0	0	1	0	
			ITEM TOTAL	201	61	0	21	17	0	23	0	
							34%			62%		100%
B 9.22	LONGITUDINAL WELDS		N/A									
B 9.30	BRANCH PIPE CONNECTION WELDS		N/A									
B 9.31	NOMINAL PIPE SIZE >= 4 IN.	VOLUMETRIC SURFACE	ACCUMULATOR DISCHARGE	4	1	0	0	1	0	0	0	25% OF ALL WELDS, DEFERRAL NOT PERMISSIBLE
		VOLUMETRIC SURFACE	PRESSURIZER SPRAY	2	0	0	0	0	0	0	0	
		VOLUMETRIC SURFACE	PRESSURIZER SURGE	1	1	0	1	0	0	0	0	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-J - PRESSURE RETAINING WELDS IN PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS				
						1ST PER	2ND PER	3RD PER					
B 9.31	NOMINAL PIPE SIZE ≥ 4 IN.	VOLUMETRIC SURFACE	RESIDUAL HEAT REMOVAL	1	1	0	0	0	0	1	0	25% OF ALL WELDS, DEFERRAL NOT PERMISSIBLE	
		VOLUMETRIC SURFACE	SAFETY INJECTION	1	0	0	0	0	0	0	0	0	
		VOLUMETRIC SURFACE	SAFETY INJECTION HIGH HEAD	2	2	0	0	1	0	1	0	0	
		ITEM TOTAL			11	5	0	1	2	0	2	0	20% 60% 100%
B 9.32	NOMINAL PIPE SIZE < 4 IN.	SURFACE	ALTERNATE CHARGING	1	1	0	0	1	0	0	0	25% OF ALL WELDS, DEFERRAL NOT PERMISSIBLE	
		SURFACE	BORON INJECTION	4	1	0	0	1	0	0	0	0	
		SURFACE	DRAIN LINE	3	0	0	0	0	0	0	0	0	
		SURFACE	LETDOWN	1	0	0	0	0	0	0	0	0	
		SURFACE	NORMAL CHARGING	1	0	0	0	0	0	0	0	0	
		SURFACE	REACTOR TEMPERATURE DETECTION	8	3	0	1	0	0	2	0	0	
		SURFACE	SAFETY INJECTION	1	1	0	1	0	0	0	0	0	
		SURFACE	SAFETY INJECTION HIGH HEAD	1	0	0	0	0	0	0	0	0	
		SURFACE	SAFETY INJECTION LOW HEAD	2	0	0	0	0	0	0	0	0	
		ITEM TOTAL			22	6	0	2	2	0	2	0	33% 66% 100%
B 9.40	SOCKET WELDS	SURFACE	AUXILIARY SPRAY	29	5	0	0	0	0	5	0	25% OF ALL WELDS, DEFERRAL NOT PERMISSIBLE	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-J - PRESSURE RETAINING WELDS IN PIPING

A. WE SEC XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B 9.40	SOCKET WELDS	SURFACE	BORON INJECTION	135	46	0	13	19	0	14	0	25% OF ALL WELDS, DEFERRAL NOT PERMISSIBLE
		SURFACE	DRAIN LINE	33	13	0	8	2	0	3	0	
		SURFACE	REACTOR TEMPERATURE DETECTION	163	26	0	7	8	0	11	0	
		SURFACE	SAFETY INJECTION	13	5	0	0	3	0	2	0	
		SURFACE	SAFETY INJECTION HIGH HEAD	12	4	0	2	0	0	2	0	
		SURFACE	SAFETY INJECTION LOW HEAD	32	16	0	6	4	0	6	0	
		SURFACE	SEAL INJECTION	91	19	0	12	6	0	1	0	
			ITEM TOTAL	508	134	0	48	42	0	44	0	35% 67% 100%
			CATEGORY TOTAL	1202	339	0	118	100	0	115	0	34% 66% 100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-K-1 - INTEGRAL ATTACHMENTS FOR PIPING, PUMPS, AND VALVES

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B10.10	PIPING-INTEGRALLY WELDED ATTACHMENTS	SURFACE	ACCUMULATOR DISCHARGE	4	4	0	2	1	0	1	0	CATEG. B-K-1 SUR OR VOL AS APP., WELDED ATTACH. TO PIPING EXAMINED BY CAT. B-J, DEF. NOT PERMISS.
		SURFACE	AUXILIARY SPRAY	1	1	0	0	1	0	0	0	
		SURFACE	BORON INJECTION	6	6	0	1	2	0	3	0	
		SURFACE	PRESSURIZER SPRAY	2	2	0	0	1	0	1	0	
		SURFACE	SAFETY INJECTION	7	7	0	2	3	0	2	0	
			ITEM TOTAL	20	20	0	5	8	0	7	0	
							25%			65%		100%
B10.20	PUMPS-INTEGRALLY WELDED ATTACHMENTS		N/A									
B10.30	VALVES-INTEGRALLY WELDED ATTACHMENTS		N/A									
			CATEGORY TOTAL	20	20	0	5	8	0	7	0	
							25%			65%		100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 1 SECTION XI SUMMARY
TABLE 1WB

CATEGORY B-1 - PRESSURE RETAINING WELDS IN PUMP CASINGS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B12.10	PUMPS-PUMP CASING WELDS	VOLLMETRIC	REACTOR COOLANT PUMP	4	1	0	0	0	0	1	0	SEE RR-A5, SUR. EXAM FROM O.D. IN LIEU OF VOL., ONE PUMP WHEN DISASSEMB., DEF. PERMISSIBLE
CATEGORY TOTAL				4	1	0	0	0	0	1	0	0% 0% 100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-1-2 - PUMP CASINGS

ASME				# OF COMPONENTS							
SEC. XI				SCHEDULED/COMPLETED							
ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	1ST PER	2ND PER	3RD PER	COMMENTS		
012.20	PUMPS-PUMP CASINGS	VISUAL	REACTOR COOLANT PUMP	4	1	0	0	0	1	0	SEE RR-A5, ONE PUMP WHEN DISASSEMBLED FOR MAINT., DEFERRAL PERMISSIBLE
CATEGORY TOTAL				4	1	0	0	0	1	0	
						0%		0%		100%	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 106

CATEGORY B-R-1 - PRESSURE RETAINING WELDS IN VALVE BODIES

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS				
				# OF COMP	NO. REQ	SCHEDULED/ 1ST PER	COMPLETED 2ND PER	3RD PER COMMENTS
012.30	VALVES-VALVE BODY WELDS < 4 INCHES NOMINAL PIPE SIZE		N/A					
012.40	VALVES-VALVE BODY WELDS >= 4 INCHES NOMINAL PIPE SIZE		N/A					

CATEGORY TOTAL	0	0	0	0	0	0	0	0
			0%		0%		0%	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY 2-H-2 - VALVE BODIES

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B12.50	VALVES-VALVE BODIES EXCEEDING 4 INCHES NOMINAL PIPE SIZE	VISUAL	ACCUMULATOR DISCHARGE	12	4	0	1	1	0	2	0	ONE VALVE FOR EACH GROUP OF VALVES, DEFERRAL PERMISSIBLE
		VISUAL	PRESSURIZER SAFETY	3	2	0	1	1	0	0	0	
		VISUAL	RESIDUAL HEAT REMOVAL	4	1	0	0	0	0	1	0	
		VISUAL	SAFETY INJECTION	5	0	0	0	0	0	0	0	
		VISUAL	SAFETY INJECTION HIGH HEAD	3	1	0	1	0	0	0	0	
			ITEM TOTAL	27	8	0	3	2	0	3	0	
							37%		62%		100%	
			CATEGORY TOTAL	27	8	0	3	2	0	3	0	
							37%		62%		100%	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-N-1 - INTERIOR OF REACTOR VESSEL

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B13.10	REACTOR VESSEL-VESSEL INTERIOR	VISUAL	REACTOR VESSEL INTERNALS	1	3	0	1	1	0	1	0	EACH INSPECTION PERIOD, DEFERRAL NOT PERMISSIBLE
CATEGORY TOTAL				1	3	0	1	1	0	1	0	
						33%	66%	100%				

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-N-2 - MANUALLY WELDED CORE SUPPORT STRUCTURES AND INTERIOR ATTACHMENTS TO REACTOR VESSELS

ADME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTIO	# OF COMPONENTS					COMMENTS
				# OF COMP	NO. REQ	SCHEDU 1ST PER	././COMPLETED 2ND PER	3RD PER	
B13.20	REACTOR VESSEL (BWR)-INTERIOR ATTACHMENTS WITHIN BELTLINE REGION		N/A						
B13.30	REACTOR VESSEL (BWR)-INTERIOR ATTACHMENTS BEYOND BELTLINE REGION		N/A						
B13.50	REACTOR VESSEL (PWR)-INTERIOR ATTACHMENTS WITHIN BELTLINE REGION		N/A						
B13.60	REACTOR VESSEL (PWR)-INTERIOR ATTACHMENTS BEYOND BELTLINE REGION		N/A						
CATEGORY TOTAL				0	0	0	0	0	0
						0%	0%	0%	

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-N-3 - REMOVABLE CORE SUPPORT STRUCTURES IN REACTOR VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS							COMMENTS	
				# OF COMP	NO. REQ	SCHEDULED 1ST PER	COMPLETED 2ND PER	3RD PER	PER	PER		
B13.40	REACTOR VESSEL (BWR)-CORE SUPPORT STRUCTURE		N/A									
B13.70	REACTOR VESSEL (PWR)-CORE SUPPORT STRUCTURE	VISUAL	REACTOR VESSEL CORE SUPP STRUCTURES	1	1	0	0	0	0	1	0	SURFACES EXAMINED, STRUCTURE SHALL BE REMOVED FROM THE REACTOR VESSEL, DEFERRAL PERMISSIBLE
CATEGORY TOTAL				1	1	0	0	0	0	1	0	0% 0% 100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WB

CATEGORY B-D - PRESSURE RETAINING WELDS IN CONTROL ROD HOUSINGS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
B14.10	REACTOR VESSEL-WELDS IN CONTROL ROD DRIVE HOUSINGS	VOLUMETRIC	CONTROL ROD DRIVE MECHANISMS	78	3	0	0	0	0	3	0	10% PERIPHERAL HOUSING WELDS, CATEGORY B-D = SUR OR VOL, DEFERRAL PERMISSIBLE
CATEGORY TOTAL				78	3	0	0	0	0	3	0	0% 0% 100%

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1MB

CATEGORY B-P - ALL PRESSURE RETAINING COMPONENTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS	
						1ST PER	2ND PER	3RD PER		
B15.10	REACTOR VESSEL-SYSTEM LEAKAGE TEST			1	0	0	0	0	0	CATEGORY B-P TESTS ADMINISTERED UNDER SURVEILLANCE AND TEST ENGINEERING PROCEDURES, 30-70 SERIES
B15.11	REACTOR VESSEL-SYSTEM HYDROSTATIC TEST		N/A							
B15.20	PRESSURIZER-SYSTEM LEAKAGE TEST		N/A							
B15.21	PRESSURIZER-SYSTEM HYDROSTATIC TEST		N/A							
B15.30	STEAM GENERATORS-SYSTEM LEAKAGE TEST		N/A							
B15.31	STEAM GENERATORS-SYSTEM HYDROSTATIC TEST		N/A							
B15.40	HEAT EXCHANGERS-SYSTEM LEAKAGE TEST		N/A							
B15.41	HEAT EXCHANGERS-SYSTEM HYDROSTATIC TEST		N/A							
B15.50	PIPING-SYSTEM LEAKAGE TEST		N/A							
B15.51	PIPING-SYSTEM HYDROSTATIC TEST		N/A							
B15.60	PUMPS-SYSTEM LEAKAGE TEST		N/A							
B15.61	PUMPS-SYSTEM HYDROSTATIC TEST		N/A							
B15.70	VALVES-SYSTEM LEAKAGE TEST		N/A							
B15.71	VALVES-SYSTEM HYDROSTATIC TEST		N/A							

Table 8-1

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1 SECTION XI SUMMARY
 TABLE 1WG

CATEGORY B-P - ALL PRESSURE RETAINING COMPONENTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS	
						1ST PER	2ND PER	3RD PER		
.....				
CATEGORY TOTAL				1	0	0	0	0	0	0
						0%	0%	0%		

Table 8-1

TROYAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 1 SECTION XI SUMMARY
TABLE 1WB

CATEGORY B-Q - STEAM GENERATOR TUBING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS						COMMENTS	
				# OF COMP	NO. REQ	SCHEDULED/COMPLETED					
				1ST	2ND	3RD	PER	PER	PER		
B16.10	STEAM GENERATOR TUBING IN STRAIGHT TUBE DESIGN		N/A								
B16.20	STEAM GENERATOR TUBING IN U-TUBE DESIGN	VOLUMETRIC	STEAM GENERATORS	1	0	0	0	0	0	0	ADMINISTERED UNDER TECHNICAL SPECIFICATION 4.4.5
CATEGORY TOTAL				1	0	0	0	0	0	0	
							0%		0%		0%

Table 6-2

TROJAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 2 SECTION XI SUMMARY
TABLE 1WC

CATEGORY C-A - PRESSURE RETAINING WELDS IN PRESSURE VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
C 1.10	SHELL CIRCUMFERENTIAL WELDS	VOLUMETRIC	LETDOWN HEAT EXCHANGER	1	1	0	1	0	0	0	100% OF WELDS AT GROSS STRUCT. DISCONTINUITIES, MAY BE LIMITED TO 1 OF SIMILAR VESSELS	
			RESIDUAL HEAT EXCHANGER	2	1	0	0	1	0	0		
			STEAM GENERATORS	12	3	0	0	2	0	1		0
			ITEM TOTAL	15	5	0	1	3	0	1		0
C 1.20	HEAD CIRCUMFERENTIAL WELDS	VOLUMETRIC	BORON INJECTION TANK	2	2	0	0	0	0	2	0	100% OF HEAD TO SHELL WELD, MAY BE LIMITED TO 1 OF SIMILAR VESSELS
			EXCESS LETDOWN HEAT EXCHANGER	1	1	0	0	0	0	1	0	
			LETDOWN HEAT EXCHANGER	1	1	0	1	0	0	0	0	
			REGENERATIVE HEAT EXCHANGER	6	2	0	1	0	0	1	0	
			RESIDUAL HEAT EXCHANGER	2	1	0	0	1	0	0	0	
			STEAM GENERATORS	4	1	0	0	1	0	0	0	
			ITEM TOTAL	16	8	0	2	2	0	4	0	
C 1.30	TUBESHEET-TO-SHELL WELDS	VOLUMETRIC	REGENERATIVE HEAT EXCHANGER	6	2	0	1	0	0	1	0	100% OF WELD, MAY BE LIMITED TO 1 OF SIMILAR VESSELS

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE IWC

CATEGORY C-A - PRESSURE RETAINING WELDS IN PRESSURE VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS								
				# OF COMP	NO. REQ	1ST PER	2ND PER	3RD PER	COMMENTS			
C 1.30	TUBESHEET-TO-SHELL WELDS	VOLUMETRIC	STEAM GENERATORS	4	1	0	0	0	0	1	0	100% OF WELD, MAY BE LIMITED TO 1 OF SIMILAR VESSELS
ITEM TOTAL				10	3	0	1	0	0	2	0	33% 33% 100%
CATEGORY TOTAL				41	16	0	4	5	0	7	0	25% 56% 100%

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE 1WC

CATEGORY C-B - PRESSURE RETAINING NOZZLE WELDS IN VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	# OF COMPONENTS SCHEDULED/COMPLETED							
					NO. REQ	1ST PER	2ND PER	3RD PER	COMMENTS			
C 2.10	NOZZLES IN VESSELS \leq 1/2 IN. NOMINAL THICKNESS		N/A									
C 2.11	NOZZLE-TO-SHELL (OR HEAD) WELD		N/A									
C 2.20	NOZZLES WITHOUT REINFORCING PLATE IN VESSELS $>$ 1/2 IN. NOMINAL THICKNESS		N/A									
C 2.21	NOZZLE-TO-SHELL (OR HEAD) WELD	VOLUMETRIC SURFACE	BORON INJECTION TANK	2	2	0	0	1	0	1	0	SEE RR-81, ALL NOZZLES AT TERMINAL ENDS OF PIPE RUNS, MAY BE LIMITED TO 1 OF SIMILAR VESSELS
		VOLUMETRIC SURFACE	RESIDUAL HEAT EXCHANGER	4	2	0	1	1	0	0	0	
		VOLUMETRIC SURFACE	STEAM GENERATORS	8	2	0	1	0	0	1	0	
			ITEM TOTAL	14	6	0	2	2	0	2	0	
						33%		66%		100%		
C 2.22	NOZZLE INSIDE RADIUS SECTION	VOLUMETRIC	STEAM GENERATORS	8	2	0	0	1	0	1	0	SEE RR-81, ALL NOZZLES AT TERMINAL ENDS OF PIPE RUNS, MAY BE LIMITED TO 1 OF SIMILAR VESSELS
C 2.30	NOZZLES WITH REINFORCING PLATE IN VESSELS $>$ 1/2 IN. NOMINAL THICKNESS		N/A									
C 2.31	REINFORCING PLATE WELDS TO NOZZLE AND VESSEL		N/A									

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE IWC

CATEGORY C-2 - PRESSURE RETAINING NOZZLE WELDS IN VESSELS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS					COMMENTS		
				# OF COMP	NO. REQ	SCHEDULED 1ST PER	COMPLETED 2ND PER	3RD PER			
C 2.32	NOZZLE-TO-SHELL (OR HEAD) WELDS WHEN INSIDE OF VESSEL IS ACCESSIBLE		N/A								
C 2.33	NOZZLE-TO-SHELL (OR HEAD) WELDS WHEN INSIDE OF WELD IS INACCESSIBLE		N/A								
CATEGORY TOTAL				22	8	0	2	3	0	3	0
						25%		62%		100%	

Table 8-2

TIDJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE IWC

CATEGORY C-C - INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED						COMMENTS
						1ST PER	2ND PER	3RD PER	1ST PER	2ND PER	3RD PER	
C 3.10	PRESSURE VESSELS-INTEGRALLY WELDED ATTACHMENTS	SURFACE	BORON INJECTION TANK	1	1	0	0	1	0	0	0	100% OF REQUIRED AREAS, MAY BE LIMITED TO 1 OF SIMILAR COMPONENTS
		SURFACE	RESIDUAL HEAT EXCHANGER	4	2	0	2	0	0	0	0	
		SURFACE	SAFETY INJECTION	5	3	0	1	1	0	1	0	
		SURFACE	SAFETY INJECTION (ESF)	1	1	0	0	0	0	1	0	
			ITEM TOTAL	11	7	0	3	2	0	2	0	42% 71% 100%
C 3.20	PIPING-INTEGRALLY WELDED ATTACHMENTS	SURFACE	FEEDWATER	8	8	0	4	2	0	2	0	100% OF REQUIRED AREAS, MAY BE LIMITED TO 1 OF SIMILAR COMPONENTS
		SURFACE	MAIN STEAM	7	7	0	2	3	0	2	0	
		SURFACE	RESIDUAL HEAT REMOVAL (ESF)	17	17	0	5	6	0	6	0	
		SURFACE	SAFETY INJECTION	3	3	0	0	2	0	1	0	
		SURFACE	SAFETY INJECTION (ESF)	4	4	0	0	1	0	3	0	
		SURFACE	X NONEXEMPT SAFETY INJECTION	6	6	0	1	3	0	2	0	
			ITEM TOTAL	45	45	0	12	17	0	16	0	26% 64% 100%
C 3.30	PUMPS-INTEGRALLY WELDED ATTACHMENTS	SURFACE	CENTRIFUGAL CHARGING PUMPS	8	8	0	2	2	0	4	0	100% OF REQUIRED AREAS, MAY BE LIMITED TO 1 OF SIMILAR COMPONENTS

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE 1WC

CATEGORY C-C - INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS, AND VALVES

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
C 3.40	VALVES-INTEGRALLY WELDED ATTACHMENTS		N/A									
CATEGORY TOTAL				64	60	0	17	21	0	22	0	
							28%		63%		100%	

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE IWC

CATEGORY C-D - PRESSURE RETAINING BOLTING GREATER THAN 2 INCHES IN DIAMETER

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS	
						1ST PER	2ND PER	3RD PER		
C 4.10	PRESSURE VESSELS-BOLTS AND STUDS		N/A							
C 4.20	PIPING-BOLTS AND STUDS		N/A							
C 4.30	PUMPS-BOLTS AND STUDS		N/A							
C 4.40	VALVES-BOLTS AND STUDS		N/A							
CATEGORY TOTAL				0	0	0	0	0	0	0
						0%	0%	0%		

Table 8-2

TRJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE IVC

CATEGORY C-1-1 - PRESSURE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL OR HIGH ALLOY PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
C 5.10	PIPING WELDS - 3/8 IN. NOMINAL WALL THICKNESS FOR PIPING > NPS 4		N/A									
C 5.11	CIRCUMFERENTIAL WELD	VOLUMETRIC SURFACE	RESIDUAL HEAT REMOVAL (ESF)	82	22	0	7	8	0	7	0	SEE RR-82, EXAMINE 100% OF EACH WELD REQUIRING EXAMINATION
		VOLUMETRIC SURFACE	SAFETY INJECTION	30	5	0	3	0	0	2	0	
		VOLUMETRIC SURFACE	SAFETY INJECTION (ESF)	83	22	0	5	8	0	9	0	
		VOLUMETRIC SURFACE	X NONEXEMPT CONT. SPRAY (ESF)	128	9	0	2	3	0	4	0	
			X NONEXEMPT RESIDUAL HEAT REMOVAL	135	0	0	0	0	0	0	0	
		VOLUMETRIC SURFACE	X NONEXEMPT SAFETY INJECTION	173	0	0	0	0	0	0	0	
			ITEM TOTAL	631	58	0	17	19	0	22	0	
							29%		62%		100%	
C 5.12	LONGITUDINAL WELD	VOLUMETRIC SURFACE	RESIDUAL HEAT REMOVAL (ESF)	24	2	0	1	0	0	1	0	EXAMINE 2.51-AT THE INTERSECTING CIRCUMFERENTIAL WELD
		VOLUMETRIC SURFACE	SAFETY INJECTION (ESF)	6	1	0	0	1	0	0	0	
			ITEM TOTAL	30	3	0	1	1	0	1	0	
							33%		66%		100%	
C 5.20	PIPING WELDS > 1/5 IN. NOMINAL WALL THICKNESS FOR PIPING >= NPS 2 AND <= NPS 4		N/A									

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE IVC

CATEGORY C-F-1 - PRESSURE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL OR HIGH ALLOY PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
C 5.21	CIRCUMFERENTIAL WELD	VOLUMETRIC SURFACE	SAFETY INJECTION (ESF)	306	28	0	10	8	0	10	0	100% OF EACH WELD REQUIRING EXAMINATION
		VOLUMETRIC SURFACE	X NONEXEMPT SAFETY INJECTION	3	0	0	0	0	0	0	0	
		ITEM TOTAL			309	28	0	10	8	0	10	
C 5.22	LONGITUDINAL WELD		N/A									
C 5.30	SOCKET WELDS	SURFACE	SAFETY INJECTION	1	0	0	0	0	0	0	0	100% OF EACH WELD REQUIRING EXAMINATION
		SURFACE	SAFETY INJECTION (ESF)	120	13	0	5	4	0	4	0	
		ITEM TOTAL			121	13	0	5	4	0	4	
C 5.40	PIPE BRANCH CONNECTIONS OF BRANCH PIPING - NPS 2		N/A									
C 5.41	CIRCUMFERENTIAL WELD	SURFACE	RESIDUAL HEAT REMOVAL (ESF)	7	1	0	1	0	0	0	0	100% OF EACH WELD REQUIRING EXAMINATION
		SURFACE	SAFETY INJECTION	1	1	0	0	0	0	1	0	
		SURFACE	SAFETY INJECTION (ESF)	4	1	0	0	1	0	0	0	
		ITEM TOTAL			12	3	0	1	1	0	1	
C 5.42	LONGITUDINAL WELD		N/A									

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE 1WC

CATEGORY C-F-1 - PRESSURE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL OR HIGH ALLOY PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS		
						1ST PER	2ND PER	3RD PER			
CATEGORY TOTAL				1103	105	0	34	33	0	38	0
							32%	63%	100%		

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE 1MC

CATEGORY C-F-2 - PRESSURE RETAINING WELDS IN CARBON OR LOW ALLOY STEEL PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
C 5.50	PIPING WELDS - 3/8 IN. NOMINAL WALL THICKNESS FOR PIPING > NPS 4		N/A									
C 5.51	CIRCUMFERENTIAL WELD	VOLUMETRIC SURFACE	FEEDWATER	92	8	0	3	2	0	3	0	SEE RR-82, X NONEXEMPT M.S. = BREAK EXCLUSION ZONE (AUG. EXAMS), 100% OF EACH WLD REQU. EXAM
		VOLUMETRIC SURFACE	MAIN STEAM	143	58	0	7	33	0	15	0	
		VOLUMETRIC SURFACE	X NONEXEMPT MAIN STEAM	21	21	0	6	7	0	8	0	
			ITEM TOTAL	256	87	0	16	42	0	29	0	
							18%			66%		100%
C 5.52	LONGITUDINAL WELD	VOLUMETRIC SURFACE	MAIN STEAM	4	1	0	1	0	0	0	0	2.5T-AT THE INTERSECTING CIRCUMFERENTIAL WELD
C 5.60	PIPING WELDS > 1/5 IN. NOMINAL WALL THICKNESS FOR PIPING NPS 2 AND μ NPS 4		N/A									
C 5.61	CIRCUMFERENTIAL WELD		N/A									
C 5.62	LONGITUDINAL WELD		N/A									
C 5.70	SOCKET WELDS		N/A									
C 5.80	PIPE BRANCH CONNECTIONS OF BRANCH PIPING - NPS 2		N/A									

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE 1WC

CATEGORY C-1-2 - PRESSURE RETAINING WELDS IN CARBON OR LOW ALLOY STEEL PIPING

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
C 5.B1	CIRCUMFERENTIAL WELD	SURFACE	FEEDWATER	4	1	0	0	0	0	1	0	100% OF EACH WELD REQUIRING EXAMINATION
		SURFACE	MAIN STEAM	24	3	0	0	1	0	2	0	
			ITEM TOTAL	28	4	0	0	1	0	3	0	0% 25% 100%
C 5.B2	LONGITUDINAL WELD		N/A									
			CATEGORY TOTAL	288	92	0	17	43	0	32	0	18% 65% 100%

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 2 SECTION XI SUMMARY
TABLE 1WC

CATEGORY C-6 - PRESSURE RETAINING WELDS IN PUMPS AND VALVES

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS	
						1ST PER	2ND PER	3RD PER		
C 6.10	PUMPS-PUMP CASING WELDS		N/A							
C 6.20	VALVES-VALVE BODY WELDS		N/A							
CATEGORY TOTAL				0	0	0	0	0	0	0
						0%	0%	0%		

Table 8-2

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 2 SECTION XI SUMMARY
 TABLE 14C

CATEGORY C-H - ALL PRESSURE RETAINING COMPONENTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS							COMMENTS	
				# OF COMP	NO. REQ	SCHEDULED/ 1ST PER	COMPLETED 2ND PER	3RD PER	PER			
C 7.10	PRESSURE VESSELS-SYSTEM PRESSURE TEST			1	0	0	0	0	0	0	0	CATEG. C-H, TESTS ADMINISTERED UNDER SURVEILLANCE AND TEST ENGINEERING PROCEDURES, 30-70 SERIES
C 7.20	PRESSURE VESSELS-SYSTEM HYDROSTATIC TEST		N/A									
C 7.30	PIPING-SYSTEM PRESSURE TEST		N/A									
C 7.40	PIPING-SYSTEM HYDROSTATIC TEST			1	0	0	0	0	0	0	0	SEE RR-B3, RR-B4, RR-B5, TESTS ADMIN. UNDER SURVEIL. AND TEST ENGINEERING PROCEDURES, 30-70 SERIES
C 7.50	PUMPS-SYSTEM PRESSURE TEST		N/A									
C 7.60	PUMPS-SYSTEM HYDROSTATIC TEST		N/A									
C 7.70	VALVES-SYSTEM PRESSURE TEST		N/A									
C 7.80	VALVES-SYSTEM HYDROSTATIC TEST		N/A									
CATEGORY TOTAL				2	0	0	0	0	0	0	0	
						0%		0%		0%		

Table 8-3

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 3 SECTION XI SUMMARY
 TABLE 1WD

CATEGORY D-A - SYSTEMS IN SUPPORT OF REACTOR SHUTDOWN FUNCTION

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
D 1.10	SYSTEM PRESSURE TEST			1	0	0	0	0	0	ITEM NO. D 1.10 TESTS ADMINISTERED UNDER SURVEILLANCE AND TEST ENGINEERING PROCEDURES, 30-70 SERIES		
D 1.10	SYSTEM HYDROSTATIC TEST			1	0	0	0	0	0	SEE RR-85		
D 1.20	INTEGRAL ATTACHMENT-COMPONENT SUPPORTS AND RESTRAINTS	VISUAL	AUXILIARY FEEDWATER	12	12	0	3	4	0	5	0	
D 1.30	INTEGRAL ATTACHMENT-MECHANICAL AND HYDRAULIC SNUBBERS			1	0	0	0	0	0	0	0	ITEM NO. D 1.30 EXAMINATIONS ADMINISTERED UNDER PGE-1050
D 1.40	INTEGRAL ATTACHMENT-SPRING TYPE SUPPORTS	VISUAL	AUXILIARY FEEDWATER	1	1	0	0	1	0	0	0	
D 1.50	INTEGRAL ATTACHMENT-CONSTANT LOAD TYPE SUPPORTS		N/A									
D 1.60	INTEGRAL ATTACHMENT-SHOCK ABSORBERS		N/A									
CATEGORY TOTAL				16	13	0	3	5	0	5	0	
							23%		61%		100%	

Table 8-3

TRJAH NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 3 SECTION XI SUMMARY
 TABLE 1HD

CATEGORY D-B - SYSTEMS IN SUPPORT OF EMERGENCY CORE COOLING, CONTAINMENT HEAT REMOVAL, ATMOSPHERE CLEANUP

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS			
						1ST PER	2ND PER	3RD PER				
D 2.10	SYSTEM PRESSURE TEST			1	0	0	0	0	0	ITEM NO. D 2.10 TESTS ADMINISTERED UNDER SURVEILLANCE AND TESTING PROCEDURES, 30-70 SERIES		
D 2.10	SYSTEM HYDROSTATIC TEST			1	0	0	0	0	0	SEE RR-B5		
D 2.20	INTEGRAL ATTACHMENT-COMPONENT SUPPORTS AND RESTRAINTS	VISUAL	AUXILIARY FEEDWATER	1	1	0	0	0	0	1	0	
		VISUAL	COMPONENT COOLING WATER	177	177	0	38	87	0	52	0	
		VISUAL	SAFETY INJECTION	9	9	0	3	2	0	4	0	
		VISUAL	SERVICE WATER	2	2	0	0	0	0	2	0	
			ITEM TOTAL	189	189	0	41	89	0	59	0	
							21%			58%	100%	
D 2.30	INTEGRAL ATTACHMENT-MECHANICAL AND HYDRAULIC SNUBBERS			2	0	0	0	0	0	0	0	ITEM NO. D 2.30 EXAMINATIONS ADMINISTERED UNDER PGE-1050
D 2.40	INTEGRAL ATTACHMENT-SPRING TYPE SUPPORTS	VISUAL	AUXILIARY FEEDWATER	1	1	0	0	0	0	1	0	
		VISUAL	COMPONENT COOLING WATER	18	18	0	3	7	0	8	0	
		VISUAL	SAFETY INJECTION	3	3	0	0	2	0	1	0	
			ITEM TOTAL	22	22	0	3	9	0	10	0	
							13%			54%	100%	
D 2.50	INTEGRAL ATTACHMENT-CONSTANT LOAD TYPE SUPPORTS		N/A									

Table 8-3

TROYAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 3 SECTION XI SUMMARY
TABLE 1WD

CATEGORY D-B - SYSTEMS IN SUPPORT OF EMERGENCY CORE COOLING, CONTAINMENT HEAT REMOVAL, ATMOSPHERE CLEANUP

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS					COMMENTS		
				# OF COMP	NO. REQ	SCHEDULED 1ST PER	COMPLETED 2ND PER	3RD PER			
D 2.60	INTEGRAL ATTACHMENT-SHOCK ABSORBERS		N/A								
CATEGORY TOTAL				215	211	0	44	98	0	69	0
						20%		67%		100%	

Table 8-3

TROJAN NUCLEAR POWER PLANT UNIT 1
INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
CLASS 3 SECTION XI SUMMARY
TABLE 1WD

CATEGORY D-C - SYSTEMS IN SUPPORT OF RESIDUAL HEAT REMOVAL FROM SPENT FUEL STORAGE POOL

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	# OF COMPONENTS SCHEDULED/COMPLETED						COMMENTS	
					NO. REQ	1ST PER	2ND PER	3RD PER	4TH PER	5TH PER		
D 3.10	SYSTEM PRESSURE TEST			1	0	0	0	0	0	0	0	ITEM NO. D 3.10 TESTS ADMINISTERED UNDER SURVEILLANCE AND TEST PROCEDURES, 30-70 SERIES
D 3.10	SYSTEM HYDROSTATIC TEST			1	0	0	0	0	0	0	0	SEE RR-85
D 3.20	INTEGRAL ATTACHMENT-COMPONENT SUPPORTS AND RESTRAINTS	VISUAL	SPENT FUEL POOL	1	1	0	0	0	0	1	0	
D 3.30	INTEGRAL ATTACHMENT-MECHANICAL AND HYDRAULIC SNUBBERS			1	0	0	0	0	0	0	0	ITEM NO. D 3.30 EXAMINATIONS ADMINISTERED UNDER PGE-1050
D 3.40	INTEGRAL ATTACHMENT-SPRING TYPE SUPPORTS		N/A									
D 3.50	INTEGRAL ATTACHMENT-CONSTANT LOAD TYPE SUPPORTS		N/A									
D 3.60	INTEGRAL ATTACHMENT-SHOCK ABSORBERS		N/A									
CATEGORY TOTAL				4	1	0	0	0	0	1	0	0% 0% 100%

Table 8-4

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1, 2, AND 3 COMPONENT SUPPORT SECTION XI SUMMARY
 TABLE 1WF

CATEGORY 1-A - PLATE AND SHELL TYPE SUPPORTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED					
						1ST PER	2ND PER	3RD PER	COMMENTS		
F 1.10	MECHANICAL CONNECTIONS TO PRESSURE RETAINING COMPONENTS AND BUILDING STRUCTURE	VISUAL	CENTRIFUGAL CHARGING PUMPS	8	8	0	4	2	0	2	0
		VISUAL	COMPONENT COOLING WATER	19	19	0	7	6	0	6	0
		VISUAL	POSITIVE DISPLACEMENT CHARGING PUMP	1	1	0	1	0	0	0	0
		VISUAL	REACTOR COOLANT PUMP	12	12	0	4	4	0	4	0
		VISUAL	RESIDUAL HEAT EXCHANGER	4	4	0	0	2	0	2	0
		VISUAL	RESIDUAL HEAT REMOVAL (ESF)	6	6	0	3	0	0	3	0
		VISUAL	SAFETY INJECTION	1	1	0	0	0	0	1	0
		VISUAL	SERVICE WATER	53	53	0	17	18	0	18	0
			ITEM TOTAL	104	104	0	36	32	0	36	0
							34%		65%		100%
F 1.20	WELD CONNECTIONS TO BUILDING STRUCTURE		N/A								
F 1.30	WELD AND MECHANICAL CONNECTIONS AT INTERMEDIATE JOINTS IN MULTICONNECTED		N/A								
F 1.40	COMPONENT DISPLACEMENT SETTINGS OF GUIDES AND STOPS, MISALIGNMENT OF SUPPORTS,		N/A								
			CATEGORY TOTAL	104	104	0	36	32	0	36	0
							34%		65%		100%

Table 8-4

TRJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1, 2, AND 3 COMPONENT SUPPORT SECTION XI SUMMARY
 TABLE 1W1

CATEGORY F-B - LINEAR TYPE SUPPORTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS		
						1ST PER	2ND PER	3RD PER			
F 2.10	MECHANICAL CONNECTIONS TO PRESSURE RETAINING COMPONENTS AND BUILDING STRUCTURE	VISUAL	AUXILIARY FEEDWATER	3	3	0	0	0	0	3	0
		VISUAL	BORON INJECTION	4	4	0	4	0	0	0	0
		VISUAL	COMPONENT COOLING WATER	38	38	0	12	13	0	13	0
		VISUAL	LETDOWN	1	1	0	0	1	0	0	0
		VISUAL	MAIN STEAM	8	8	0	3	2	0	3	0
		VISUAL	PRESSURIZER SPRAY	2	2	0	1	0	0	1	0
		VISUAL	REACTOR TEMPERATURE DETECTION	4	4	0	0	3	0	1	0
		VISUAL	RESIDUAL HEAT REMOVAL (ESF)	2	2	0	1	0	0	1	0
		VISUAL	SAFETY INJECTION	10	10	0	2	3	0	5	0
		VISUAL	SAFETY INJECTION (ESF)	3	3	0	1	1	0	1	0
		VISUAL	SEAL INJECTION	2	2	0	0	0	0	2	0
		VISUAL	SERVICE WATER	38	38	0	14	13	0	11	0
		VISUAL	SPENT FUEL POOL	1	1	0	0	0	0	1	0
		VISUAL	X NONEXEMPT SAFETY INJECTION	6	6	0	3	1	0	2	0
			ITEM TOTAL	122	122	0	41	37	0	44	0
							33%			63%	100%

F 2.20 WELD CONNECTIONS TO BUILDING
STRUCTURE

N/A

Table 8-4

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1, 2, AND 3 COMPONENT SUPPORT SECTION XI SUMMARY
 TABLE IWF

CATEGORY F-B - LINEAR TYPE SUPPORTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS					COMMENTS
				# OF COMP	NO. REQ	SCHEDULED/ 1ST PER	COMPLETED 2ND PER	3RD PER	
F 2.30	WELD AND MECHANICAL CONNECTIONS AT INTERMEDIATE JOINTS IN MULTICONNECTED		N/A						
F 2.40	COMPONENT DISPLACEMENT OF GUIDES AND STOPS, MISALIGNMENT OF SUPPORTS, ASSEMBLY OF		N/A						
CATEGORY TOTAL				122	122	0 41	37 0	44 0	
						33%	63%	100%	

Table 8-4

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1, 2, AND 3 COMPONENT SUPPORT SECTION XI SUMMARY
 TABLE IVF

CATEGORY F-C - COMPONENT STANDARD SUPPORTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMPONENTS								
				# OF COMP	NO. REQ	SCHEDULED/COMPLETED			COMMENTS			
				1ST	2ND	3RD	PER	PER	PER			
F 3.10	MECHANICAL CONNECTIONS TO PRESSURE RETAINING COMPONENTS AND BUILDING STRUCTURE	VISUAL	ACCUMULATOR DISCHARGE	13	13	0	4	5	0	4	0	
		VISUAL	ALTERNATE CHARGING	1	1	0	0	0	0	1	0	
		VISUAL	AUXILIARY FEEDWATER	43	43	0	13	0	0	30	0	
		VISUAL	AUXILIARY SPRAY	13	13	0	5	5	0	3	✓	
		VISUAL	BORON INJECTION	69	69	0	18	18	0	33	0	
		VISUAL	COMPONENT COOLING WATER	662	662	0	203	231	0	228	0	
		VISUAL	DRAIN LINE	5	5	0	2	1	0	2	0	
		VISUAL	FEEDWATER	16	16	0	6	3	0	7	0	
		VISUAL	REACTOR COOLANT PIPE	1	1	0	0	0	0	1	0	
		VISUAL	LETDOWN	3	3	0	3	0	0	0	0	
		VISUAL	MAIN STEAM	34	34	0	17	12	0	9	0	
		VISUAL	NORMAL CHARGING	1	1	0	0	1	0	0	0	
		VISUAL	PRESSURIZER RELIEF	6	6	0	4	1	0	1	0	
		VISUAL	PRESSURIZER SAFETY	6	6	0	2	2	0	2	0	
		VISUAL	PRESSURIZER SPRAY	19	19	0	4	11	0	4	0	
		VISUAL	PRESSURIZER SURGE	3	3	0	3	0	0	0	0	
		VISUAL	REACTOR COOLANT PIPE	11	11	0	0	1	0	10	0	
		VISUAL	REACTOR TEMPERATURE DETECTION	28	28	0	9	6	0	13	0	
		VISUAL	RESIDUAL HEAT REMOVAL	5	5	0	3	2	0	0	0	

Table 8-4

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1, 2, AND 3 COMPONENT SUPPORT SECTION XI SUMMARY
 TABLE 1WF

CATEGORY F-C - COMPONENT STANDARD SUPPORTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED					COMMENTS	
						1ST PER	2ND PER	3RD PER	PER	PER		
F 3.10	MECHANICAL CONNECTIONS TO PRESSURE RETAINING COMPONENTS AND BUILDING STRUCTURE	VISUAL	RESIDUAL HEAT REMOVAL (ESF)	66	66	0	23	22	0	21	0	
		VISUAL	SAFETY INJECTION	215	215	0	69	73	0	73	0	
		VISUAL	SAFETY INJECTION (ESF)	51	51	0	14	17	0	20	0	
		VISUAL	SAFETY INJECTION HIGH HEAD	7	7	0	3	0	0	4	0	
		VISUAL	SAFETY INJECTION LOW HEAD	10	10	0	5	2	0	3	0	
		VISUAL	SEAL INJECTION	25	25	0	9	13	0	3	0	
		VISUAL	SERVICE WATER	120	120	0	46	36	0	38	0	
		VISUAL	SPENT FUEL POOL	11	11	0	3	5	0	3	0	
		VISUAL	X NONEXEMPT SAFETY INJECTION	35	35	0	8	18	0	9	0	
			ITEM TOTAL	1479	1479	0	472	485	0	522	0	
							31%	64%		100%		
F 3.20	WELD CONNECTIONS TO BUILDING STRUCTURE		N/A									
F 3.30	WELD AND MECHANICAL CONNECTIONS AT INTERMEDIATE JOINTS IN MULTICONNECTED		N/A									
F 3.40	COMPONENT DISPLACEMENT SETTINGS OF GUIDES AND STOPS, MISALIGNMENT OF SUPPORTS,		N/A									
F 3.50	SPRG TYPE SUPPORTS, CONSTANT LOAD TYPE SUPPORTS, SHOCK ABSORBERS, HYDRAULIC AND MECHANICAL TYPE SHUBBERS			1	0	0	0	0	0	0	0	SHUBBER EXAMINATIONS ADMINISTERED UNDER PGE 1050

Table 8-4

TROJAN NUCLEAR POWER PLANT UNIT 1
 INSERVICE INSPECTION PLAN FOR THE SECOND INTERVAL
 CLASS 1, 2, AND 3 COMPONENT SUPPORT SECTION XI SUMMARY
 TAB. E IWF

CATEGORY F-C - COMPONENT STANDARD SUPPORTS

ASME SEC. XI ITEM #	ITEM DESCRIPTION	EXAM METHOD	SYSTEM DESCRIPTION	# OF COMP	NO. REQ	# OF COMPONENTS SCHEDULED/COMPLETED			COMMENTS		
						1ST PER	2ND PER	3RD PER			
.....					
CATEGORY TOTAL				1480	1479	0	472	485	0	522	0
						31%	64%	100%			

TABLE 13-1

NDE CALIBRATION STANDARDS

Sheet 1 of 5

Identification	Identification No.	Size or Schedule	Material	Component/System
POR-1	B-2877	2.375 in.-T x 3.187 in.-W x 8 in.-L	A351CF 8A	Reactor Coolant Pipe (all welds) (CCSS)
POR-1a	S/N 1 Lot 1; 002	2.6875 in.-T x 4.375 in.-W x 7.875 in.-L	A351 CF 8M	Reactor Coolant Pipe Elbows (SCSS)
POR-1-10-1	84992	11 in.-T Block	SA 533 GR B	Reactor Vessel
POR-1-10-1R1	C5128	11 in.-T x 6 in.-W x 38 in.-L	SA 533 C1.2 C.S.	Reactor Vessel Flange to Shell (I.D.); Reactor Vessel Upper Shell Longitudinals; Reactor Vessel Nozzle Inside Radius
POR-1-10-2	87216-1	9 in.-T Block	SA 508	Reactor Vessel
POR-1-10-2R1	C5128	9 in.-T x 6 in.-W x 32 in.-L	SA 533 C1.2 C.S.	Reactor Vessel Upper to Intermediate Shell; Reactor Vessel Intermediate Shell Longitudinals; Reactor Vessel Lower Shell Longitudinals; Reactor Vessel Intermediate Shell
POR-1-10-3	87216-1	5 in.-T Block	SA 508	Reactor Vessel
POR-1-10-3R1	C5128	6 in.-T x 6 in.-W x 26 in.-L	SA533 C1.2 C.S.	Reactor Vessel Lower Shell to Lower Head, Reactor Vessel Lower Head Meridionals, Reactor Vessel Lower Head Dome
POR-1-10-4	4952/P53627	2.5 in.-T x 4 in.-W x 12.5 in.-L	A508 CL 2/TP316SS	Reactor Vessel Safe End
POR-1-10-5	6-472	14 in.-T x 6 in.-W x 36 in.-L	SA 508 C1. 2 C.S.	Reactor Vessel - Retained by W NSD
POR-1-10-SR1	31-3212	22 in.-T x 7 in.-W x 26 in.-L	SA508 C1.2 C.S.	Reactor Vessel Nozzle-to-Shell; Reactor Vessel Ligaments, Reactor Vessel Flange-to-Upper Shell (Seal Surface)

TABLE 13-1

NDE CALIBRATION STANDARDS

Identification	Identification No.	Size or Schedule	Material	Component/System
ISI-005	C0815	5.875 in.-T Block	A533 GR B C.S.	Reactor Vessel
POR-2	E-1473	14 in. Sch 140 1.250 in.-T	A376 TP 316SS	14 in.- Sch 160/14 in.- Sch 140
POR-2-R1	2637-4-2	14 in. Sch 140 1.250 in.-T	A376 TP 316SS	14 in.- Sch 140
POR-2A	2844	14 in. Sch 40 .438 in.-T	A312 TP 304SS	14 in.- Sch 40
POR-2A-R1	14085	14 in. Sch 40 .438 in.-T	A312 TP 304SS	14 in.- Sch 40 Letdown Heat Exchanger
POR-3	J2103	12 in. Sch 160 1.312 in.-T	A376 TP 316SS	12 in.- Sch 140
POR-4	3247	12 in. Sch 40 .406 in.-T	A376 TP 304SS	12 in.- Sch 40/Letdown Heat Exchanger
POR-5	D6034	10 in. Sch 140 1.00 in.-T	A376 TP 316SS	10 in.- Sch 140/Excess Letdown Heat Exchanger
POR-5-R1	TH6649	10 in. Sch 140 1.00 in.-T	A312 TP 304SS	10 in.- Sch 140
POR-6	J2338	8 in. Sch 140 .812 in.-T	A376 TP 316SS	8 in.- Sch 160
POR-7	M3715	6 in. Sch 160 .719 in.-T	A376 TP 316SS	6 in.- Sch 160
POR-7-R1	M9829	6 in. Sch 160 .719 in.-T	A312 TP 304SS	6 in.- Sch 160
POR-8	M5900	3 in. Sch 160 .438 in.-T	A376 TP 316SS	3 in.- Sch 160/4 in.- Sch 160
POR-8-R1	453853	3 in. Sch 160 .438 in.-T	A376 TP 304SS	3 in.- Sch 160
POR-9	08754	2 in. Sch 160 .344 in.-T	A312 TP 304SS	2 in.- Sch 160
POR-9-R1	08754	2 in. Sch 160 .344 in.-T	A312 TP 304SS	2 in.- Sch 160
POR-10	09395	1.5 in. Sch 80 .200 in.-T	A312 TP 304SS	1.5 in.- Sch 160

(1)

(1)

(1)