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AUTH.NAME AUTHOR AFFILIATION
IDE,W.E. Arizona Public Service Co. (formerly Arizona Nuclear Power
RECIP.NAME RECIPIENT AFFILIATION
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SUBJECT: Forwards ISI programs for Units 1,2 & 3 for second 10 year interval.Updated ISI programs comply w/requirements of latest edition & addenda of ASME Boiler & Pressure Vessel Code.

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Palo Verde Nuclear Generating Station

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102-04095 –WEI/AKK/MLG
March 17, 1998

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
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Washington, DC 20555-0001

Dear Sirs:

Subject: **Palo Verde Nuclear Generating Station (PVNGS)**
Units 1, 2, and 3
Docket Nos. STN 50-528/529/530
Inservice Inspection Programs for Second 10 Year Interval

Enclosed are the Inservice Inspection Programs for Units 1,2 and 3 for the second 10 year interval. In accordance with 10 CFR 50.55a (g)(4)(ii), the updated ISI Programs comply with the requirements of the latest edition and addenda of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code incorporated by reference in 10 CFR 50.55a(b), 12 months prior to the start of the 120-month interval. Relief request number 1, however, requests approval to use the 1992 Edition including the 1992 Addenda of the ASME Section XI Code as the code of record for all three units. Exceptions to this Code are noted in the enclosed relief requests which are submitted for your approval.

The following commitments to the NRC are contained in this letter:

Implementation of the Inservice Inspection Programs for Units 1,2 and 3 for the second 10 year interval.

Please contact Mr. Scott Bauer at (602) 393-5978 if you have any questions or would like additional information regarding this matter

Sincerely,

WEI/AKK/MLG/rlh

Enclosure

cc: E. W. Merschoff
K. E. Perkins
J. W. Clifford
J. H. Moorman

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50-528
3/17/98

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Inservice Inspection Program Manual

Second Ten Year Interval

Unit 1

9803260214

Second Inspection Interval

INSERVICE INSPECTION PROGRAM SUMMARY MANUAL

PALO VERDE NUCLEAR GENERATING STATION UNIT 1

ARIZONA PUBLIC SERVICE COMPANY
P.O. Box 52034
Phoenix, AZ 85072-2034

PVNGS
5801 S. Wintersburg Road
Tonopah, AZ 85354

PREPARED BY: _____ DATE: 1-23-98

PREPARED BY: _____ DATE: 1-28-98

PREPARED BY: _____ DATE: 1-28-98

PREPARED BY: _____ DATE: 1-28-98

REVIEWED BY: _____ DATE: 1-28-98

ANII CONCURRENCE: _____ DATE: 1-28-98

APPROVAL BY ENGINEERING MANAGER: _____ DATE: 2/1/98

COMMERCIAL SERVICE DATE: 01/28/86

PROGRAM NO: 2INT-ISI-1
REVISION NO: 0

TABLE OF CONTENTS

PALO VERDE

NUCLEAR GENERATING STATION

UNIT 1

INSERVICE INSPECTION - PROGRAM SUMMARY

1.0 SUMMARY

1.1 This document contains a detailed description of the 2nd 10 Year Interval Inservice Inspection (ISI) Program for Palo Verde Nuclear Generating Station Unit 1. This program conforms to the requirements of 10CFR50.55a (g), PVNGS Technical Specifications, and the PVNGS UFSAR. Exceptions are documented in Section 8.0, entitled Requests for Relief.

1.2 The revision is being prepared to update the ISI Program for the 2nd 10 Year Interval. This includes the utilization of the 1992 Edition including the 1992 Addenda of ASME Section XI.

1.3 The information presented is in a form consistent with the 1st 10 Year Interval ISI Program, the applicable requirements of Standard Review Plan Sections 5.2.4 and 6.6, and the recommendations contained in NRC letter dated July 17, 1981, from Mr. R.L. Tedesco, NRC, to E. E. Van Brunt, Jr., APS, "Guidance for Preparing Preservice and Inservice Inspection Programs and Relief Requests - Palo Verde Nuclear Generating Station Units 1, 2 and 3."

2.0 CODE APPLICABILITY

2.1 Based on paragraph 10 CFR 50.55a(b) (2) that was published 12 months prior to the start of the 2nd 10 Year Interval (7-18-98), the 1989 Edition of ASME Section XI was referenced as the Code to utilize for preparation of this program. However, this ISI Program is based on the 1992 Edition including Addenda through 1992. This is documented in Request for Relief 1 included in Section 8.0. This request was based on the anticipation of this edition and addenda being referenced in 10CFR50.55a; and, its submittal by other utilities.

2.2 This program will typically be updated for each inspection interval to conform with the requirements of the latest edition and addenda of the ASME Section XI Code referenced in paragraph (b) of 10 CFR 50.55a.

2.3 If a code required examination was considered to be impractical during the preparation of this document because of plant design or other conditions, a Request for Relief from that requirement was prepared and included in Section 8.0. If a code required examination is identified to be impractical during the course of an inspection and the code required percentages are not met, a request for relief will be prepared and submitted with the next revision to the program, but no later than 12 months after expiration of the Interval.

3.0 DESCRIPTION

3.1 SCOPE

3.1.1 This Inservice Inspection Program Summary includes all applicable nondestructive examinations required by ASME Section XI and those identified in the PVNGS Technical Specifications as identified below:

1. Examination of ASME Class 1, 2, and 3 pressure retaining components and their supports.

2. Examination of the Reactor Coolant Pump Flywheels in accordance with PVNGS Technical Specifications Section 3/4.4.9.

3. Augmented high energy piping examination in accordance with PVNGS UFSAR Section 6.6.8.

4. Special examinations to satisfy other commitments or concerns that are based on operating experiences, USNRC Circulars, Information Notices, Bulletins, Combustion Engineering Bulletins, INPO Reports, etc. These examinations are scheduled throughout this program and reference the applicable notification documents.

3.1.2 Those items that would generally be included in an Inservice Inspection Program, but are not included are identified below:

1. The inservice testing of snubbers will be performed in accordance with the PVNGS Technical Specifications Section 3/4.7.9. This is documented as Request for Relief No. 5 in Section 8.0.

2. The pump and valve testing program is contained and submitted under a separate cover.

3. The Examination Program for the ASME Subsections IWE and IWL are being prepared and will be maintained at the plant site per 10CFR50.55a (g) (B) (5).

3.2 SYSTEM BOUNDARIES

3.2.1 A complete set of P&ID drawings indicating the Inservice Inspection boundary are included in Section 9.0. Please refer to these drawings for definition of the ASME Class 1, 2, and 3 systems; components; and boundaries scheduled for examinations and pressure testing.

3.2.2 A set of ISI (Zone) Drawings is included in Section 10.0. These drawings are utilized for the planning and scheduling of specific ASME Class 1 and 2 examinations throughout the 10 Year Interval. These also provide the total number of welds, components, and supports.

3.3 ACCESSIBILITY

3.3.1 The preservice examinations were performed with examination techniques, both automated and manual, similar to those planned for use during Inservice Inspections. The examination limitations noted during the preservice examinations were documented in Requests for Relief submitted with the preservice examination program. There has also been a number of additional code limitations noted during the 1st 10 Year Interval. If these have been determined to be applicable to this ISI Program they are included as a Request for Relief in Section 8.0.

3.3.2 All items that are scheduled for examination will be examined to the extent practical. In addition, any code limitations that are noted during the examinations will be documented in the summary reports that are prepared after each outage. And, if relief is required from any of these examinations, a Request for Relief will be submitted with the next revision to the ISI Program.

3.4 EXAMINATION TECHNIQUES

3.4.1 The three types of examinations utilized to perform Inservice Inspections, along with the actual nondestructive examination technique, are identified in the legend below:

VT - Visual

- VT - 1 (General Condition)
- VT - 2 (Leakage)
- VT - 3 (Mechanical and Structural Condition)

S - Surface

- PT - Liquid Penetrant
- MT - Magnetic Particle
- ET - Eddy Current

VOL - Volumetric

- UT - Ultrasonic
- RT - Radiography

3.4.2 All the above nondestructive examination techniques will be performed using specific techniques and procedures that are identified in ASME Section XI, or alternative examinations that are demonstrated to be equivalent or superior to those identified.

3.5 INSPECTION INTERVALS

3.5.1 The Inservice Inspection Program was prepared in accordance with Program B of ASME Section XI. The 1st and 2nd 10 Year Intervals and corresponding inspection periods are defined below:

First Inspection Interval:	01/28/86 to 07/17/98
Second Inspection Interval:	07/18/98 to 07/17/08
Period One:	07/18/98 to 11/17/01
Period Two:	11/18/01 to 03/17/05
Period Three:	03/18/05 to 07/17/08

It should be noted that the intervals/periods may change between units to allow for extended outage durations per IWA-2400 of ASME Section XI. For Unit 1, a 16-month extension was added to the 1st Interval due to the length of the second refueling outage.

3.6 EXAMINATION CATEGORIES

3.6.1 The examination categories of ASME Section XI were utilized to develop this program for all systems, components, and supports. The Subprogram summary tables contained in Sections 4.0 and 5.0 are organized by examination category for ASME Class 1 and 2 systems, respectively. For each examination category, these tables identify the system, line number, nondestructive examination method, total number of items, required examination amount for each inspection period, and running percentage. For ASME Class 3 systems, the examinations categories are identified in Section 6.0.

3.7 EVALUATION AND REPAIR

3.7.1 The evaluation of all examination results will be performed in accordance with ASME Section XI Articles IWx-3000. In addition, all applicable repairs and replacements will be performed in accordance with ASME Section XI Articles IWx-4000 and 7000. Pressure tests will be performed on welded and mechanical joint repairs or replacements, in accordance with IWx-4000 and 5000 and Code Case N416-1. Both the evaluations and repair or replacement will be performed in accordance with the 1992 Edition through and including the 1992 Addenda of ASME Section XI, or later editions and addenda of ASME Section XI referenced in 10 CFR 50. It should be noted that the repair and replacement program will be updated on 3-18-98 for all three of the PVNGS units (note Request for Relief No. 3. All repairs and replacements will be documented in accordance with the Work Control program, and are maintained at Palo Verde for review.

3.8 SYSTEM PRESSURE TESTS

3.8.1 System pressure tests will be performed in accordance with ASME Section XI including Code Case N498-1 and are itemized in Sections 4.0, 5.0, and 6.0 for ASME Class 1, 2, and 3, respectively. These tables also identify the type of pressure test, and test frequency, any applicable Requests for Relief, and references the appropriate ASME Section XI Article for each of the ASME Code Classes.

3.9 AUGMENTED HIGH ENERGY PIPING

3.9.1 Based on the PVNGS UFSAR, an augmented examination is required for protection against postulated pipe failures. This augmented examination program includes the following high energy piping systems located between the containment penetration and the main steam support structure wall:

Main Steam
Feedwater
Steam Generator Blowdown
Downcomer Feedwater

3.9.2 The summary tables in Section 7.0 identify each system, along with the required examination amounts and frequencies. As shown by these tables, a volumetric examination of all longitudinal and circumferential welds is scheduled. These welds will be examined to the maximum extent practical. Any code limitations to the examination will be included and documented in the examination report prepared in accordance with ASME Section XI.

3.10 EXEMPTIONS

3.10.1 The exemption criteria identified in the 1992 Edition including the 1992 Addenda of ASME Section XI was utilized for all ASME Class 1, 2, and 3 components and systems.

3.10.2 A thorough review of all the systems and components was performed in accordance with the above exemptions and a complete set of color coded Inservice Inspection Boundary drawings was prepared. These drawings are maintained at the PVNGS site for review.

3.11 CODE CASES

3.11.1 ASME Section XI Code Case acceptability will be based on Regulatory Guide 1.147. In addition, the following Code Cases have been approved specifically for PVNGS use:

1. N498-1 (pending NRC review for the 1st 10 Year Interval)
2. N416-1, USNRC Letter dated 3-16-95, from T. R. Quay, NRC, to W. L. Stewart., "AUTHORIZATION TO USE PROVISIONS OF SUBARTICLE IWA-4500 OF THE 1992 EDITION OF THE ASME CODE AND AUTHORIZATION TO USE ASME SECTION XI CODE CASE N-416-1 FOR THE PALO VERDE NUCLEAR GENERATING STATION UNIT 1, 2, & 3."

SECTION 4.0
ASME CLASS 1
EXAMINATION SUMMARY

INDEX

PVNGS

SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-1
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-A; PRESSURE RETAINING WELDS IN REACTOR VESSEL								
B1.10	SHELL WELDS								
B1.11	CIRCUMFERENTIAL								
	1- Reactor Vessel	Butt Welds	SN 78173	Vol	3	0 0 3**	One Two Three	0 0 100	
B1.12	LONGITUDINAL								
	1- Reactor Vessel	Butt Welds	SN 78173	Vol	9	0 0 9**	One Two Three	0 0 100	
B1.20	HEAD WELDS								
B1.21	CIRCUMFERENTIAL	None	-	-	-	-	-	-	
B1.22	MERIDIONAL								
	1- Reactor Vessel Bottom Head	Butt Weld	SN 78173	Vol	1	0 0 1	One Two Three	0 0 100	AUTOMATED EXAM; CORE BARREL REMOVED, EXAMINE ENTIRE ACCESSIBLE LENGTH
	2- Closure Head	Butt Weld	SN 78173	Vol	1	33% 33% 34%	One Two Three	33 66 100	EXAMINE ENTIRE ACCESSIBLE LENGTH REQUEST FOR RELIEF
B1.30	SHELL-TO-FLANGE WELD								*EXAM FROM FLANGE FACE
	1- Reactor Vessel	Butt Weld	SN 78173	Vol	1	50%* 0% 100%**	One Two Three	50 50 100	**100% AUTOMATED EXAM; CORE BARREL REMOVED.
B1.40	HEAD-TO-FLANGE WELD								
	2- Closure Head	Butt Weld	SN 78173	Vol, S	1	33% 33% 34%	One Two Three	33 66 100	
B1.50	REPAIR WELDS	None	-	-	-	-	-		
B1.51	BELTLINE REGION								

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 1

TABLE 1-2
PAGE 1 OF 2

ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-B: PRESSURE RETAINING WELDS IN VESSELS OTHER THAN REACTOR VESSELS								
	PRESSURIZER								
B2.10	SHELL-TO HEAD WELDS								*1 FOOT MINIMUM OF ONE LONGITUDINAL WELD THAT INTERSECTS EACH SCHEDULED CIRC WELD. EXAM DOES NOT NEED TO BE AT THE INTERSECTION.
B2.11& B2.12	CIRCUMFERENTIAL AND *LONGITUDINAL								
	5- Pressurizer Shell to bottom Head	Butt Weld	SN 78373	Vol	1	66% 0% 34%	One Two Three	66 66 100	
	5- Pressurizer Shell to Top Head	Butt Weld	SN 78373	Vol	1	0% 66% 34%	One Two Three	0 66 100	
B2.20	HEAD WELDS	None	-	-	-	-	-	-	
B2.21	CIRCUMFERENTIAL	None	-	-	-	-	-	-	
B2.22	MERIDIONAL	None	-	-	-	-	-	-	
	STEAM GENERATORS (PRIMARY SIDE)								
B2.30	HEAD WELDS								
B2.31& B2.32	CIRCUMFERENTIAL AND MERIDIONAL								
	3- Steam Generator 1	Butt Welds	SN 78273-1	Vol	10**	33% 33% 34%	One Two Three	33 66 100	**EXAMINE 1 CIRC WELD ONLY.
	4- Steam Generator 2	Butt Welds	SN 78273-2	Vol	10	- - -	One Two Three	- - -	

PVNGS

SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
B2.40	TUBESHEET TO HEAD								
	3- Steam Generator 1	Butt Welds	SN 78273-1	Vol	2	50%* 0% 0%	One Two Three	- - -	*% IS COMBINATION OF 2 STEAM GENERATOR O.D. WELDS.
	4- Steam Generator 2	Butt Welds	SN 78273-2	Vol	2	0 50%* 1**	One Two Three	33 66 100	** Stay Cylinder
	HEAT EXCHANGERS								
B2.50	HEAD WELDS	None							
B2.51	CIRCUMFERENTIAL	None							
B2.52	MERIDIONAL	None							
B2.60	TUBESHEET TO HEAD WELDS	None							
B2.70	LONGITUDINAL	None							
B2.80	TUBESHEET TO SHELL WELDS	None							

PVNGS

SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-D: FULL PENETRATION WELDS OF NOZZLES IN VESSELS-INSPECTION PROGRAM B								
B3.90 & B3.100	REACTOR VESSEL NOZZLE-TO-VESSEL WELDS AND NOZZLE INSIDE RADIUS SECTION								
	1 - Reactor Vessel	Outlets - 2 Inlets - 4	SN 78173	Vol	6	2 0 4*	One Two Three	33 0 100	*AUTOMATED EXAMS FROM SHELL SIDE; CORE BARREL REMOVED
B3.110 & B3.120	PRESSURIZER NOZZLE-TO-VESSEL WELDS AND NOZZLE INSIDE RADIUS SECTION								
	5 - Pressurizer	Surge - 1 Spray - 1 Safeties - 4	SN 78373	Vol	6	2 2 2	One Two Three	33 66 100	
B3.130 & B3.140	STEAM GENERATORS NOZZLE-TO-VESSEL WELDS AND NOZZLE INSIDE RADIUS SECTION								
	3- Steam Generator 1	Inlet - 1 Outlet - 2	SN 78273-1	Vol	3	1 1 1	One Two Three	33 66 100	
	4 - Steam Generator 2	Inlet - 1 Outlet - 2	SN 78273-2	Vol	3	1 1 1	One Two Three	33 66 100	

PVNGS

SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	HEAT EXCHANGERS	None	-	-	-	-	-	-	
B3.150 & B3.160	NOZZLE-TO-VESSEL WELDS AND NOZZLE INSIDE RADIUS SECTION	None	-	-	-	-	-	-	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-4
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATAGORY B-E PRESSURE RETAINING PARTIAL PENETRATION WELDS IN VESSEL								ALL EXAMS PERFORMED IN CONJUNCTION WITH EXAM CATEGORY B-P
B4.10	PARTIAL PENETRATION WELDS								
B4.11	VESSEL NOZZLES	NONE	-	-	-	-	-	-	
B4.12	CONTROL ROD DRIVE NOZZLES								
	2- Closure Head	CEDM Nozzles	SN 78173	VT-2	97	8 8 9	One Two Three	8 16 26	
B4.13	INSTRUMENT NOZZLES								
	1- Reactor Vessel	Bottom Head	SN 78173	VT-2**	61	5 5 6	One Two Three	8 16 26	
B4.20	PRESSURIZER 5- HEATER PENETRATION WELDS	Bottom Head	SN 78373	VT-2*	36	12 12 12	One Two Three	33 66 100	* A SUPPLEMENTAL VT-2 EXAM WILL BE PERFORMED ON ALL STANDPIPE AND HEATER NOZZLES EACH REFUELING OUTAGE. (SEE CE INFO BULLETIN 89-06) **EVIDENCE OF LEAKAGE VERIFIED BY CONTROL ROOM INSTRUMENTATION OF VESSEL SUMP

PVNGS

SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-5
PAGE 1 OF 2

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-F: PRESSURE RETAINING DISSIMILAR METAL WELDS								
B5.10	REACTOR VESSEL NOMINAL PIPE SIZE ≥ 4 INCH NOZZLE TO SAFE END BUTT WELDS	None	-	-	-	-	-	-	
B5.20	NOMINAL PIPE SIZE < 4 INCH NOZZLE TO SAFE END BUTT WELDS	None	-	-	-	-	-	-	
B5.30	NOZZLE TO SAFE END SOCKET WELDS	None	-	-	-	-	-	-	
B5.40	PRESSURIZER NOMINAL PIPE SIZE ≥ 4 INCH NOZZLE TO SAFE END BUTT WELDS								
	20- Surge 29- Spray* 31- Safeties (4)	Butt Welds Butt Welds Butt Welds	RC-28-12" RC-18-4" RC-1-6" RC-3-6" RC-5-6" RC-7-6"	S, Vol	6	2 2 2	One Two Three	33 66 100	*RT SUPPLEMENTAL EXAM FOR THERMAL SLEEVE INTEGRITY (NOTE IEIN 82-09)
B5.50	NOMINAL PIPE SIZE < 4 INCH NOZZLE TO SAFE END BUTT WELDS	None	-	-	-	-	-	-	
B5.60	NOZZLE TO SAFE END SOCKET WELDS	None	-	-	-	-	-	-	
B5.70	STEAM GENERATOR NOMINAL PIPE SIZE ≥ 4 INCH NOZZLE TO SAFE END BUTT WELDS	None	-	-	-	-	-	-	
B5.80	NOMINAL PIPE SIZE < 4 INCH NOZZLE TO SAFE END BUTT WELDS	None	-	-	-	-	-	-	

PVNGS

SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
B5.90	NOZZLE TO SAFE END SOCKET WELDS	None	-	-	-	-	-	-	
	HEAT EXCHANGERS								
B5.100	NOMINAL PIPE SIZE ≥ 4 INCH NOZZLE TO SAFE END BUTT WELDS	None	-	-	-	-	-	-	
B5.110	NOMINAL PIPE SIZE < 4 INCH NOZZLE TO SAFE END BUTT WELDS	None	-	-	-	-	-	-	
B5.120	NOZZLE TO SAFE END SOCKET WELDS	None	-	-	-	-	-	-	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-G-1; PRESSURE RETAINING BOLTING GREATER THAN 2 IN. IN DIAMETER								
B6.10	REACTOR VESSEL CLOSURE HEAD NUTS								
	2- Closure Head	Nuts	7.237" x 7.91"	S, VT-1	54	18 18 18	One Two Three	33 66 100	
B6.20	CLOSURE STUDS, IN PLACE	None*	-	-	-	-	-	-	*STUDS WILL BE REMOVED FOR EXAMINATION
B6.30	CLOSURE STUDS, WHEN REMOVED								
	2- Closure Head	Studs	7.380" x 76.37"	S, Vol	54	18 18 18	One Two Three	33 66 100	
B6.40	THREADS IN FLANGE								
	1- Reactor Vessel	Threads in Flange Stud Holes	SN 78173	Vol	54	0 0 54	One Two Three	0 0 100	
B6.50	CLOSURE WASHERS BUSHINGS								
	2- Closure Head	Washers	7.50" x 1.27"	VT-1	54	18 18 18	One Two Three	33 66 100	
B6.60	PRESSURIZER BOLTS AND STUDS	None	-	-	-	-	-	-	
B6.70	FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED	None	-	-	-	-	-	-	
B6.80	NUTS, BUSHINGS, AND WASHERS	None	-	-	-	-	-	-	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	STEAM GENERATORS								
B6.90	BOLTS AND STUDS	None	-	-	-	-	-	-	
	FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED	None	-	-	-	-	-	-	
B6.110	NUTS, BUSHINGS, AND WASHERS	None	-	-	-	-	-	-	
	HEAT EXCHANGERS								
B6.120	BOLTS AND STUDS	None	-	-	-	-	-	-	
B6.130	FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED	None	-	-	-	-	-	-	
B6.140	NUTS, BUSHINGS, AND WASHERS	None	-	-	-	-	-	-	
	PIPING								
B6.150	BOLTS AND STUDS	None	-	-	-	-	-	-	
B6.160	FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED	None	-	-	-	-	-	-	
B6.170	NUTS, BUSHINGS, AND WASHERS	None	-	-	-	-	-	-	
	PUMPS								
B6.180	BOLTS AND STUDS**								*A SUPPLEMENTAL VT-1 EXAM WILL BE PERFORMED 100% PER REFUELING OUTAGE (SEE IEIN 80-27)
	16- Reactor Coolant Pump 1A	Flange Studs	4.33" x 32.87"	Vol*	16	5 5 6	One Two Three	31 62 100	
	17- Reactor Coolant Pump 1B	Flange Studs	4.33" x 32.87"	Vol*	16	5 5 6	One Two Three	31 62 100	
	18- Reactor Coolant Pump 2A	Flange Studs	4.33" x 32.87"	Vol*	16	5 5 6	One Two Three	31 62 100	** SUPPLEMENTED BY VT-1 (EACH REMOVAL) AND SURFACE EXAM (AT 5 YR. INTERVALS) WHEN REMOVED (SEE IEB 82-02)
	19- Reactor Coolant Pump 2B	Flange Studs	4.33" x 32.87"	Vol*	16	5 5 6	One Two Three	31 62 100	

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SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
B6.190	FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED								
	16, 17, 18 and 19- Reactor Coolant Pumps 1A, 1B, 2A & 2B	Flange Surface	CASING SN 1A - 1109-1A 1B - 1109-1B 2A - 1109-2A 2B - 1109-2B	VT-1	16 per pump	* * *	One Two Three	* * *	* 100% EXAM WHEN DISASSEMBLED
B6.200	NUTS, BUSHINGS AND WASHERS**								**THE CLAMPING RING WILL BE EXAMINED (THERE ARE NO WASHERS)
	16- Reactor Coolant Pump 1A	Nuts & Clamping Ring	4.528" x 7.283"	VT-1	16	5 5 6	One Two Three	31 62 100	(THERE ARE NO BUSHINGS IN THE PUMP FLANGES)
	17- Reactor Coolant Pump 1B	Nuts & Clamping Ring	4.528" x 7.283"	VT-1	16	5 5 6	One Two Three	31 62 100	
	18- Reactor Coolant Pump 2A	Nuts & Clamping Ring	4.528" x 7.283"	VT-1	16	5 5 6	One Two Three	31 62 100	
	19- Reactor Coolant Pump 2B	Nuts & Clamping Ring	4.528" x 7.283"	VT-1	16	5 5 6	One Two Three	31 62 100	
	VALVES								
B6.210	BOLTS AND STUDS	None	-	-	-	-	-	-	
B6.220	FLANGE SURFACE, WHEN CONNECTION DISASSEMBLED	None	-	-	-	-	-	-	
B6.230	NUTS, BUSHINGS, AND WASHERS	None	-	-	-	-	-	-	

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SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-7
PAGE 1 OF 4

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM. CATEGORY B-G-2: PRESSURE RETAINING BOLTING 2 IN. AND LESS IN DIAMETER								
B7.10	REACTOR VESSEL BOLTS, STUDS AND NUTS	None	-	-	-	-	-	-	
B7.20	PRESSURIZER BOLTS, STUDS AND NUTS								
	5- Pressurizer Manway	Studs & Nuts	1.310" x 14.5"	VT-1	*20 Pairs	20 20 20	One Two Three	100 100 100	*SUPPLEMENTED BY VT-1 (EACH REMOVAL) AND SURFACE EXAM(AT 5 YR. INTERVALS) WHEN REMOVED (SEE IEB 82-02)
B7.30	STEAM GENERATORS BOLTS, STUDS AND NUTS								
	3- Steam Generator 1 Cold Leg and Hot Leg Manways	Studs & Nuts	1.310" x 14.5"	VT-1	*40 Pairs	40 40 40	One Two Three	100 100 100	
	4- Steam Generator 2 Cold Leg and Hot Leg Manways	Studs & Nuts	1.310" x 14.5"	VT-1	*40 Pairs	40 40 40	One Two Three	100 100 100	
B7.40	HEAT EXCHANGERS	None	-	-	-	-	-	-	
B7.50	PIPING BOLTS, STUDS AND NUTS								
	31- Pressurizer Safeties	Flange Bolting Flange Bolting Flange Bolting Flange Bolting	RC-1-6" RC-3-6" RC-5-6" RC-7-6"	VT-1	*4	1 1 2	One Two Three	25 50 100	
	37- Charging Line	Flange @ V435	CH-5-2"	VT-1	1	1 0 0	One Two Three	100 100 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	PUMPS								
B7.60	BOLTS, STUDS AND NUTS								
	16- Reactor Coolant Pump 1A Seal Cover Bolting	Seal Cover Studs & Nuts	1.1" x 8.27"	VT-1	16 Pairs	5 5 6	One Two Three	31 62 100	
	17- Reactor Coolant Pump 1B Seal Cover Bolting	Seal Cover Studs & Nuts	1.1" x 8.27"	VT-1	16 Pairs	5 5 6	One Two Three	31 62 100	
	18- Reactor Coolant Pump 2A Seal Cover Bolting	Seal Cover Studs & Nuts	1.1" x 8.27"	VT-1	16 Pairs	5 5 6	One Two Three	31 62 100	
	19- Reactor Coolant Pump 2B Seal Cover Bolting	Seal Cover Studs & Nuts	1.1" x 8.27"	VT-1	16 Pairs	5 5 6	One Two Three	31 62 100	
	VALVES								
B7.70	BOLTS, STUDS AND NUTS								
	21- Shutdown Cooling Looping 1	UV-651 UV-653	RC-051-16" SI-240-16"	VT-1	2	1 0 1	One Two Three	50 50 100	
	22- Shutdown Cooling Loop 2	UV-652 UV-654	RC-068-16" SI-193-16"	VT-1	2	1 1 0	One Two Three	50 100 100	
	23- Safety Injection Loop 1A	V-235 UV-634 V-237 V-542	SI-207-14" SI-207-14" SI-207-14" SI-203-12"	VT-1	4	1 2 1	One Two Three	25 75 100	
	24- Safety Injection Loop 1B	V-245 UV-644 V-247 V-543	SI-223-14" SI-223-14" SI-223-14" SI-221-12"	VT-1	4	1 2 1	One Two Three	25 75 100	
	25- Safety Injection Loop 2A	V-215 UV-614 V-217 V-540	SI-160-14" SI-160-14" SI-160-14" SI-156-12"	VT-1	4	1 1 2	One Two Three	25 50 100	
	26- Safety Injection Loop 2B	V-225 UV-624 V-227 V-541	SI-179-14" SI-179-14" SI-179-14" SI-175-12"	VT-1	4	1 2 1	One Two Three	25 75 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 1

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ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	27- Pressurizer Spray	V-240	RC-62-3"	VT-1	3	0	One	0	
	Loop 1A	PV-100E	RC-62-3"			1	Two	33	
		V-243	RC-16-3"			2	Three	100	
	28- Pressurizer Spray	V-241	RC-17-3"	VT-1	3	2	One	66	
	Loop 1B	PV-100F	RC-17-3"			1	Two	100	
		V-242	RC-18-3"			0	Three	100	
	29- Combined Pressurizer	V-244	RC-18-4"	VT-1	1	0	One	0	
	Spray					0	Two	0	
						1	Three	100	
	31- Pressurizer Safeties	PSV-200	RC-1-6"	VT-1	4	1	One	25	
		PSV-201	RC-3-6"			1	Two	50	
		PSV-202	RC-5-6"			2	Three	100	
		PSV-203	RC-7-6"						
	32- Drain Line	V-334	RC-60-2"	VT-1	2	2	One	100	
	Loop 1A	V-234	RC-60-2"			0	Two	100	
						0	Three	100	
	33- Drain Line	V-335	RC-58-2"	VT-1	2	0	One	0	
	Loop 1B	V-235	RC-58-2"			2	Two	100	
						0	Three	100	
	34- Drain Line	V-333	RC-96-2"	VT-1	2	0	One	0	
	Loop 2A	V-233	RC-96-2"			2	Two	100	
						0	Three	100	
	35- Drain Line	V-332	RC-89-2"	VT-1	2	0	One	0	
	Loop 2B	V-232	RC-89-2"			0	Two	0	
						2	Three	100	
	36- Letdown Line	UV-515	RC-91-2"	VT-1	2	0	One	0	
		UV-516	CH-1-2"			0	Two	0	
						2	Three	100	
	37- Charging Line	PDV-240	CH-5-3"	VT-1	1	1	One	100	
						0	Two	100	
						0	Three	100	
	38- Drain Line Loop 1	V-215	RC-70-2"	VT-1	2	1	One	50	
		V-216	RC-70-2"			0	Two	50	
						1	Three	100	
	39- HPSI Long Term Recirculation	V-523	SI-248-3"	VT-1	3	1	One	33	
	Loop 1	V-522	SI-248-3"			2	Two	100	
		V-957	SI-248-3"			0	Three	100	
	40- HPSI Long Term Recirculation	V-533	SI-199-3"	VT-1	3	0	One	0	
	Loop 2	V-532	SI-199-3"			1	Two	33	
		V-958	SI-199-3"			2	Three	100	

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SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-7
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ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
B7.80	CRD HOUSING BOLTS, STUDS, NUTS								
	2-Closure Head RVLMS Locations	Grayloc Clamps	CEDM 92 CEDM 96	VT-1	2	1 0 1	One Two Three	50 50 100	

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SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

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PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-H: INTEGRAL ATTACHMENTS FOR VESSELS								
B8.10	REACTOR VESSEL INTEGRALLY WELDED ATTACHMENTS	None	-	-	-	-	-	-	
B8.20	PRESSURIZER INTEGRALLY WELDED ATTACHMENTS								
	5- Pressurizer	Support Skirt	SN 78373	**S, Vol	1	33% 33% 34%	One Two Three	33 66 100	
B8.30	STEAM GENERATORS INTEGRALLY WELDED ATTACHMENTS								
	3- Steam Generator 1	Support Skirt	SN 78273-1	**S, Vol	1	33% 34%	One Two Three	33* 100*	
	4 -Steam Generator 2	Support Skirt	SN 78273-2	**S, Vol	1	33%	One Two Three	66*	* MULTIPLE VESSEL EXAMINATIONS TOTAL 100% SUPPORT SKIRT WELD IN 1 STEAM GENERATOR
B8.40	HEAT EXCHANGERS INTEGRALLY WELDED ATTACHMENTS	None	-	-	-	-	-	-	
									**SURFACE EXAM OF I.D. & O.D.

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UNIT 1
ASME CLASS 1

TABLE 1-9
PAGE 1 OF 4

ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-J: PRESSURE RETAINING WELDS IN PIPING					NOTE: LONGINTUDINAL WELDS SHALL BE EXAMINED WHEN LOCATED IN THE CIRCUMFERENTIAL EXAMINATION BOUNDARY			
B9.10	NOMINAL PIPE SIZE ≥ 4 IN.								
B9.11 B9.12	CIRCUMFERENTIAL WELDS LONGITUDINAL WELDS								
	6- RCS Primary Piping	HL 1* HL 2* CL 1A to RCP CL 1B to RCP CL 2A to RCP CL 2B to RCP CL 1A to RPV CL 1B to RPV CL 2A to RPV CL 2B to RPV	RC-32-42" ID RC-63-42" ID RC-33-30" ID RC-30-30" ID RC-73-30" ID RC-84-30" ID RC-34-30" ID RC-31-30" ID RC-79-30" ID RC-93-30" ID	S, Vol	66	7 6 13	One Two Three	11 20 39	*AUTOMATED EXAM OF NOZZLE TO EXTENSION AND EXTENSION TO PIPE WELDS
	20- Pressurizer Surge Line	Butt Welds	RC-28-12"	S, Vol	12	1 0 3**	One Two Three	8 8 33	**INCLUDES DISSIMILAR WELD
	21- Shutdown Cooling Loop 1	Butt Welds	RC-51-16" SI-240-16"	S, Vol	23	3** 2 2	One Two Three	13 22 30	
	22- Shutdown Cooling Loop 2	Butt Welds	RC-68-16" SI-193-16	S, Vol	28	2 3** 3	One Two Three	7 18 28	
	23- Safety Injection 1A	Butt Welds	SI-207-14" SI-203-12"	S, Vol	20	4** 0 2	One Two Three	20 20 30	
	24- Safety Injection 1B	Butt Welds	SI-223-14" SI-221-12"	S, Vol	19	0 3 3**	One Two Three	0 16 32	
	25- Safety Injection 2A	Butt Welds	SI-160-14" SI-156-12"	S, Vol	23	2 4** 1	One Two Three	9 26 30	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	26- Safety Injection 2B	Butt Welds	SI-179-14" SI-175-12"	S, Vol	21	2 1 3**	One Two Three	10 14 29	**INCLUDES DISSIMILAR WELD
	28 & 29- Pressurizer Spray Loop 1B and Combined Pressurizer Spray	Butt Welds	RC-18-4"	S, Vol	17	2 1** 2	One Two Three	12 18 29	
	31- Pressurizer Safeties	Butt Welds	RC-1-6" RC-3-6" RC-5-6" RC-7-6"	S, Vol	12	1 2 2	One Two Three	8 25 42	
	36- Letdown Line Delay Coil	Butt Welds	RC-91-16"	S, Vol	4	0 1 0	One Two Three	0 25 25	
B9.20	NOMINAL PIPE SIZE < 4 IN.					NOTE: LONGITUDINAL WELDS SHALL BE EXAMINED WHEN LOCATED IN THE CIRCUMFERENTIAL EXAMINATION BOUNDARY			
B9.21 B9.22	CIRCUMFERENTIAL LONGITUDINAL								
	27- Pressurizer Spray 1A	Butt Welds	RC-62-3" RC-16-3"	S	41	4** 3 4	One Two Three	10 17 27	
	28- Pressurizer Spray 1B	Butt Welds	RC-17-3" RC-18-3"	S	38	4 4** 3	One Two Three	11 21 29	
	30- Aux Pressurizer Spray	Butt Welds	CH-009-2" CH-520-2" CH-521-2"	S	11	2* 2 0	One Two Three	18 36 36	*ADDITIONAL VOL EXAM OF 2 WELDS AND BASE-METAL DOWN-STREAM OF V431 PER IEB 88-08.
	32- Drain Line Loop 1A	Butt Welds	RC-60-2"	S	6	3 0 0	One Two Three	50 50 50	
	33- Drain Line Loop 1B	Butt Welds	RC-58-2"	S	6	0 3** 0	One Two Three	0 50 50	**INCLUDES DISSIMILAR WELD

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	34- Drain Line Loop 2A	Butt Welds	RC-96-2"	S	6	0 0 3**	One Two Three	0 0 50	
	35- Drain Line Loop 2B	Butt Welds	RC-89-2"	S	5	0 0 2	One Two Three	0 0 40	**INCLUDES DISSIMILAR WELD
	36- Letdown Line	Butt Welds	RC-91-2" CH-001-2"	S	71	4 6 9**	One Two Three	6 14 26	
	37- Charging Line	Butt Welds	CH-5-3"	S	64	5 7** 6	One Two Three	8 19 29	
	38- Drain Line Loop 1	Butt Welds	RC-70-2"	S	4	0 1 0	One Two Three	0 25 25	
	39- HPSI Long Term Recirculation 1	Butt Welds	SI-248-3"	S	36	2 3 4	One Two Three	6 14 25	
	40- HPSI Long Term Recirculation 2	Butt Welds	SI-199-3"	S	27	3 2 2	One Two Three	11 19 26	
B9.30	BRANCH PIPE CONNECTION WELDS								
B9.31	NOMINAL PIPE SIZE ≥ 4 IN								ITEM B9.31, SYSTEMS COMBINED FOR PERCENTAGE
	6- RCS Primary Piping	Surge SD Cooling 1 SD Cooling 2 SI 1A SI 1B SI 1C SI 1D	RC-32-42" ID RC-32-42" ID RC-63-42" ID RC-34-30" ID RC-31-30" ID RC-79-30" ID RC-93-30" ID	S, Vol S, Vol S, Vol S, Vol S, Vol S, Vol S, Vol	1 1 1 1 1 1 1	1 0 0 1 1 1 1	Three - - One Three Two Three	71 - - 14 71 29 71	

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SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

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ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
B9.32	NOMINAL PIPE SIZE <4 IN.								ITEM B9.32 SYSTEMS COMBINED FOR PERCENTAGE
	6- RCS Primary Piping	Drain 1A	RC-33-30" ID	S	1	1	One	14	
		PZR Spray 1A	RC-34-30" ID	S	1	0	-	-	
		Drain 1B	RC-30-30" ID	S	1	0	-	-	
		PZR Spray 1B	RC-31-30" ID	S	1	0	-	-	
		Drain 2A	RC-73-30" ID	S	1	0	-	-	
		Charging	RC-79-30" ID	S	1	1	Two	36	
		Letdown	RC-84-30" ID	S	1	1	Three	43	
	21- Shutdown Cooling Loop 1	2" Drain	RC-051-16"	S	2	0	One	-	
		3" HPSI				0	Two	-	
						0	Three	-	
	22- Shutdown Cooling Loop 2	3" HPSI	RC-068-16"	S	1	1	One	14	
						0	Two	-	
						0	Three	-	
	36- Letdown Line	2" Delay Coil	RC-091-16"	S	4	0	One	-	
						2	Two	36	
						0	Three	-	
B9.40	SOCKET WELDS								
	32- Drain Line Loop 1A	Socket Welds	RC-060-2"	S	3	1	One	33	
						0	Two	33	
						0	Three	33	
	33- Drain Line Loop 1B	Socket Welds	RC-058-2"	S	3	0	One	0	
						1	Two	33	
						0	Three	33	
	34- Drain Line Loop 2A	Socket Welds	RC-096-2"	S	3	0	One	0	
						1	Two	33	
						0	Three	33	
	35- Drain Line Loop 2B	Socket Welds	RC-089-2"	S	3	0	One	0	
						0	Two	0	
						1	Three	33	
	38- Drain Line Loop 1	Socket Welds	RC-070-2"	S	3	1	One	33	
						0	Two	33	
						0	Three	33	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-10
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAMINATION CATEGORY B-K-1 INTEGRAL ATTACHMENTS FOR PIPING PUMPS AND VALVES								
B10.10	PIPING WELDED ATTACHMENTS								
	22- Shutdown Cooling Loop 2	Lugs	SI-193-16"	S	1	1	Three	100	
	26- Safety Injection 2B	Stanchion	SI-179-14"	S	1	1	Three	100	
	36- Letdown Line	Lugs	RC-091-16"	S	2	1 1	One Two	25 50	
B10.20	PUMPS WELDED ATTACHMENTS	None	-	-	-	-	-	-	
B10.30	VALVES WELDED ATTACHMENTS	None	-	-	-	-	-	-	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-L-1; B-M-1; PRESSURE RETAINING WELDS IN PUMP CASINGS AND VALVE BODIES; EXAM CATEGORY B-L-2, B-M-2; PUMP CASINGS AND VALVE BODIES								
	PUMPS								
B12.10	PUMP CASING WELDS								
	16- Reactor Coolant Pump 1A	Circumferential Casing Welds	1109-1A	Vol	4	Examine the Weld in 1 Pump	*	100	
	17- Reactor Coolant Pump 1B		1109-1B						
	18- Reactor Coolant Pump 2A		1109-2A						
	19- Reactor Coolant Pump 2B		1109-2B						
	16- Reactor Coolant Pump 1A	Outer Nozzle to Casing Welds	1109-1A	Vol	4	Examine the Weld in 1 Pump	*	100	* BY THE END OF THE INTERVAL
	17- Reactor Coolant Pump 1B		1109-1B						
	18- Reactor Coolant Pump 2A		1109-2A						
	19- Reactor Coolant Pump 2B		1109-2B						
B12.20	PUMP CASINGS								
	16- Reactor Coolant Pump 1A	Internal Surfaces	1109-1A	VT-3	4	Examine the Internal surfaces in 1 Pump	*	100	
	17- Reactor Coolant Pump 1B		1109-1B						
	18- Reactor Coolant Pump 2A		1109-2A						
	19- Reactor Coolant Pump 2B		1109-2B						
	VALVES								
B12.30	VALVES, NOMINAL PIPE SIZE < 4 INCH VALVE BODY WELDS	None	-	-	-	-	-	-	
B12.40	VALVES, NOMINAL PIPE SIZE ≥ 4 INCH VALVE BODY WELDS								
	Borg Warner Gate Valves Utilizing Forged Construction — Zone 21	UV-651	RC-51-16"	Vol	8	Examine a Weld in 1 Valve of Each Size	**	100	** BY THE END OF THE INTERVAL ONLY WHEN DISSEMBLED
	Zone 22	UV-653	SI-240-16"						
	Zone 23	UV-652	RC-68-16"						
	Zone 24	UV-654	SI-193-16"						
	Zone 25	UV-634	SI-207-14"						
	Zone 26	UV-644	SI-223-14"						
		UV-614	SI-160-14"						
		UV-624	SI-179-14"						

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM		IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	Borg Warner Check Valve Utilizing Forged Construction	ZONE 29	V-244	RC-18-4"	Vol	1	1	*	100	* BY THE END OF THE INTERVAL
	Dresser Pressure Safety Valves Utilizing Forged Construction	ZONE 31	PSV-200 PSV-201 PSV-202 PSV-203	RC-1-6" RC-3-6" RC-5-6" RC-7-6"	Vol	4	Examine the Weld in 1 Valve	*	100	
B12.50	VALVE BODY, EXCEEDING 4 IN. NOMINAL PIPE SIZE									
	Borg Warner Gate Valves Utilizing Forged Construction	ZONE 21 ZONE 22 ZONE 23 ZONE 24 ZONE 25 ZONE 26	UV-651 UV-653 UV-652 UV-654 UV-634 UV-644 UV-614 UV-624	RC-51-16" SI-240-16" RC-68-16" SI-193-16" SI-207-14" SI-223-14" SI-160-14" SI-179-14"	VT-3	8	Examine the Internal Surfaces of 1 Valve of Each Size	*	100	
	Borg Warner Check Valves Utilizing Forged Construction	ZONE 23 ZONE 24 ZONE 25 ZONE 26	V-235 V-237 V-542 V-245 V-247 V-543 V-215 V-217 V-540 V-225 V-227 V-541	SI-207-14" SI-207-14" SI-203-12" SI-223-14" SI-223-14" SI-221-12" SI-160-14" SI-160-14" SI-156-12" SI-179-14" SI-179-14" SI-175-12"	VT-3	12	Examine the Internal Surfaces of 1 Valve of Each Size	*	100	* BY THE END OF THE INTERVAL
	Dresser Pressure Safety Valves Utilizing Forged Construction	Zone 31	PSV-200 PSV-201 PSV-202 PSV-203	RC-1-6" RC-3-6" RC-5-6" RC-7-6"	VT-3	4	Examine the Internal Surfaces of 1 Valve	*	100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

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ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-N-1; INTERIOR OF REACTOR VESSEL; B-N-2, INTEGRALLY WELDED CORE SUPPORT STRUCTURES AND INTERIOR ATTACHMENTS TO REACTOR VESSELS; B-N-3, REMOVABLE CORE SUPPORT STRUCTURES								
B13.10	REACTOR VESSEL VESSEL INTERIOR								
	1- Reactor Vessel	Examine the areas above and below the reactor core that are made accessible for examination by removal of components during normal refueling outages.	SN78173	VT-3	accessible areas	33% 33% 34%	One Two Three	33 66 100	
B13.20	REACTOR VESSEL (BWR) INTERIOR ATTACHMENTS WITHIN BELTLINE REGION	N/A							
B13.30	INTERIOR ATTACHMENTS BEYOND BELTLINE REGION	N/A							
B13.40	CORE SUPPORT STRUCTURE	N/A							
B13.50	REACTOR VESSEL (PWR) INTERIOR ATTACHMENTS WITHIN BELTLINE REGION	Examine the accessible welds and the surrounding area.		VT-1	accessible areas	100%	**	100	
B13.60	INTERIOR ATTACHMENTS BEYOND BELTLINE REGION	Examine the accessible welds and the surrounding area.		VT-3	accessible areas	100%	**	100	** BY THE END OF THE INTERVAL
B13.70	CORE SUPPORT STRUCTURE	Examine the accessible core support structure		VT-3	accessible areas	100%	**	100	

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SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-14
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY B-O: PRESSURE RETAINING WELDS IN CONTROL ROD HOUSINGS								
B14.10	REACTOR VESSEL WELDS IN CRD HOUSING								ITEM B14.10 COMBINED FOR PERCENTAGE
	2- Reactor Vessel Closure Head CEDM Housings	Lower Housing Welds	Housings #66 - #97	Vol	97*	0 0 0	One Two Three	- - -	* 32 PERIPHERAL (126 TOTAL WELDS)
	2- Reactor Vessel Closure Heads CEDM Housings	Upper Housing Welds	Housings #66 - #97	Vol	97*	2 2 3	One Two Three	4 8 14	** INCLUDES 2 RVLMS TRANSITION HUBS.
	2- Reactor Vessel Closure Heads CEDM Housings	Tube Housing Lower Weld	Housings ** #66 - #97	Vol	97*	2 2 3	One Two Three	4 8 14	
	2- Reactor Vessel Closure Heads CEDM Housings	Tube Housing Upper Weld	Housings #66 - #97	Vol	97*	0 0 0	One Two Three	- - -	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-15
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAMINATION CATEGORY B-P, ALL PRESSURE RETAINING COMPONENTS								
	SYSTEM LEAKAGE TEST								
B15.10 B15.20 B15.30 B15.40 B15.50 B15.60 B15.70	Reactor Vessel Pressurizer Steam Generators Heat Exchangers Piping Pumps Valves	Pressure Retaining Boundary	-	VT-2	-	Pressure Retaining Boundary IWA-5000 IWB-5000	* ***	100	* EACH REFUELING OUTAGE
	SYSTEM HYDRO TEST								
B15.11 B15.21 B15.31 B15.41 B15.51 B15.61 B15.71	Reactor Vessel Pressurizer Steam Generators Heat Exchangers Piping Pumps Valves	Pressure Retaining Boundary	-	VT-2	--	Pressure Retaining Boundary IWA-5000 IWB-5000	**	100	** SYSTEM LEAKAGE TEST PERFORMED PER CODE CASE N498-1, RELIEF REQUESTS # 2 & 9 ***PERFORM WALKDOWN AT THE BEGINNING OF EACH REFUELING OUTAGE FOR GENERIC LETTER 88-05. IN ADDITION, WALKDOWN REQUIREMENTS SHALL BE EVALUATED FOR SHUTDOWNS FOLLOWING OPERATION LONGER THAN APPROXIMATELY 30 DAYS IN MODE 1 OR 2.

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-16
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAMINATION CATEGORY B-O, STEAM GENERATOR TUBING								
B16.10	STEAM GENERATOR TUBING IN STRAIGHT TUBE DESIGN								
B16.20	STEAM GENERATOR TUBING IN U-TUBE DESIGN Per ASME Section XI and 10 CFR 50, All Eddy Current Examinations of Steam Generator Tubing will be performed in accordance with PVNGS Technical Specifications								

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 1

TABLE 1-IWF
PAGE 1 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
*	EXAM CATEGORY F-A SUPPORT CLASS 1 PIPING SUPPORT								* ITEMS NOT CATAGORIZED. ALL CLASS 1 ITEMS EXAMINED
F1.10	20- Pressurizer Surge Line	Supports	RC-28-12"	VT-3	7	2 2 3	One Two Three	29 57 100	RELIEF REQUEST #4 & #5
	21- Shutdown Cooling Loop 1	Supports	RC-51-16" SI-240-16"	VT-3	22	7 7 8	One Two Three	32 64 100	
	22- Shutdown Cooling Loop 2	Supports (1-B10.10)	RC-68-16" SI-193-16"	VT-3	13	4 4 5	One Two Three	30 61 100	
	23- Safety Injection 1A	Supports	SI-207-14" SI-203-12"	VT-3	5	1 2 2	One Two Three	20 60 100	
	24- Safety Injection 1B	Supports	SI-223-14"	VT-3	5	1 2 2	One Two Three	20 60 100	
	25- Safety Injection 2A	Supports	SI-160-14" SI-156-12"	VT-3	4	2 1 1	One Two Three	50 75 100	
	26- Safety Injection 2B	Supports (1-B10.10)	SI-179-14" SI-175-12"	VT-3	7	2 3 2	One Two Three	29 71 100	
	27- Pressurizer Spray Loop 1A	Supports	RC-62-3" RC-16-3"	VT-3	21	9 8 4	One Two Three	43 81 100	
	28- Pressurizer Spray Loop 1B	Supports	RC-17-3" RC-18-3" RC-18-4"	VT-3	25	9 8 8	One Two Three	36 68 100	
	29- Combined Pressurizer Spray	Supports	RC-18-4"	VT-3	3	2 1 0	One Two Three	67 100 100	
	30- Aux Pressurizer Spray	Supports	CH-521-2"	VT-3	2	0 0 2	One Two Three	0 0 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	32- Drain Line Loop 1A	Supports	RC-60-2"	VT-3	2	2 0 0	One Two Three	100 100 100	
	33- Drain Line Loop 1B	Supports	RC-58-2"	VT-3	2	0 2 0	One Two Three	0 100 100	
	34- Drain Line Loop 2A	Supports	RC-96-2"	VT-3	2	0 2 0	One Two Three	0 100 100	
	35- Drain Line Loop 2B	Supports	RC-89-2"	VT-3	2	0 0 2	One Two Three	0 0 100	
	36- Letdown Line	Supports (2-B10.10)	RC-91-2" CH-001-2" RC-91-16"	VT-3	30	9 10 11	One Two Three	30 63 100	
	37- Charging Line	Supports	CH-5-3" CH-5-2"	VT-3	33	14 9 10	One Two Three	42 70 100	
	38- Drain Line Loop 1	Supports	RC-70-2"	VT-3	1	0 0 1	One Two Three	0 0 100	
	39- HPSI Long Term Recirculation Loop 1	Supports	SI-248-3"	VT-3	14	4 5 5	One Two Three	29 64 100	
	40- HPSI Long Term Recirculation Loop 2	Supports	SI-199-3"	VT-3	9	3 4 2	One Two Three	33 78 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	SUPPORTS OTHER THAN PIPING SUPPORTS								
F1.40	1 - Reactor Vessel	Support Columns	SN 78173	VT-3	4	0 0 4	One Two Three	0 0 100	
	3 - Steam Generator 1	Support Skirt	SN 78273-1	VT-3	1	1 0 0	One Two Three	100 100 100	
	4 - Steam Generator-2	Support Skirt	SN 78273-2	VT-3	1	0 1 0	One Two Three	0 100 100	
	5 - Pressurizer	Support Skirt	SN 78373	VT-3	1	0 0 1	One Two Three	0 0 100	
	16- Reactor Coolant Pump 1A	Vertical and Lateral Supports	SN 1109-1A	VT-3	10	2 4 4	One Two Three	20 60 100	
	17- Reactor Coolant Pump 1B	Vertical and Lateral Supports	SN 1109-1B	VT-3	10	2 4 4	One Two Three	20 60 100	
	18- Reactor Coolant Pump 2A	Vertical and Lateral Supports	SN 1109-2A	VT-3	10	4 2 4	One Two Three	40 60 100	
	19- Reactor Coolant Pump 2B	Vertical and Lateral Supports	SN 1109-2B	VT-3	10	4 2 4	One Two Three	40 60 100	
N/A	Snubbers: IWF-5000 All inservice testing requirements will be performed in accordance with PVNGS Technical Specifications.								REQUEST FOR RELIEF #5

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SECOND 10 YEAR INTERVAL
EXAMINATION SUMMARY

UNIT 1
ASME CLASS 1

TABLE 1-RCP
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
N/A	REACTOR COOLANT PUMP FLYWHEEL EXAMINATIONS REG. GUIDE 1.14.								REFERENCE PVNGS TECHNICAL SPECIFICATION 4.4.9
	16-Reactor Coolant Pump 1A	Flywheels		Vol*	4	4	One	100	* AN ULTRASONIC EXAMINATION WILL BE PERFORMED OF THE AREAS OF HIGHER STRESS CONCENTRATION AT THE BORE AND KEYWAYS.
	17 Reactor Coolant Pump 1B					4	Two	100	
	18-Reactor Coolant Pump 2A								
	19-Reactor Coolant Pump 2B								
				S, Vol **	4	4	Three	100	** A SURFACE EXAM OF ALL EXPOSED SURFACES AND A COMPLETE ULTRASONIC EXAM TO THE EXTENT PRACTICAL WILL BE PERFORMED.

SECTION 5.0
ASME CLASS 2
EXAMINATION SUMMARY

INDEX

TABLE		EXAM CATEGORY
2-1	C-A,	Pressure Retaining Welds in Pressure Vessels
2-2	C-B,	Pressure Retaining Nozzle Welds in Vessels
2-3	C-C,	Integral Attachments for Vessels, Piping, Pumps, and Valves
2-4	C-D,	Pressure Retaining Bolting Exceeding 2 Inch in Diameter
2-5A	C-F-1	Pressure Retaining Welds in Austenitic Stainless Steel or High Alloy Steel Piping
2-5B	C-F-2	Pressure Retaining Welds in Carbon or Low Alloy Steel Piping
2-6	C-G,	Pressure Retaining Welds in Pumps and Valves
2-7	C-H,	All Pressure Retaining Components
2-IWF	F-A,	Supports

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-1
PAGE 1 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM. CATEGORY C-A: PRESSURE RETAINING WELDS IN PRESSURE VESSELS								
	STEAM GENERATORS								
C 1.10	SHELL CIRCUMFERENTIAL WELDS								MULTIPLE VESSELS PERCENTAGE COMBINED
	41- Steam Generator 1	Shell to Conical Welds	SN-78273-1	Vol	2	1* 0 0	One Two Three	50 - -	*50% EACH WELD
	42- Steam Generator 2	Shell to Conical Welds	SN-78273-2	Vol	2	0 0 1*	One Two Three	- - 100	
C 1.20	HEAD CIRCUMFERENTIAL WELDS								
	41- Steam Generator 1	Head to Shell Weld	SN-78273-1	Vol	1	50% 0 0	One Two Three	50 - -	
	42- Steam Generator 2	Head to Shell Weld	SN-78273-2	Vol	1	0 0 50%	One Two Three	- - 100	
C 1.30	TUBESHEET-TO-SHELL WELD								
	41- Steam Generator 1	Outside Shell and Stay Cylinder	SN-78273-1	Vol	2	50** 0 0	One Two Three	25 - -	**OUTSIDE SHELL WELDS
	42- Steam Generator 2	Outside Shell and Stay Cylinder	SN-78273-2	Vol	2	0 50%** 1***	One Two Three	- 50 100	***STAY CYLINDER EXAM

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

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PAGE 2 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	REGENERATIVE HEAT EXCHANGER								SINGLE VESSEL
C 1.10	SHELL CIRCUMFERENTIAL WELDS								
	68- Regenerative Heat Exchanger	Butt Welds	SN-79119	Vol	3	3 0 0	One Two Three	100 100 100	
C 1.20	HEAD CIRCUMFERENTIAL WELDS								
	68- Regenerative Heat Exchanger	Head to Shell	SN-79119	Vol	2	2 0 0	One Two Three	100 100 100	
C 1.30	TUBESHEET-TO-SHELL WELDS								
	68- Regenerative Heat Exchanger	Butt Welds	SN-79119	Vol	4	4 0 0	One Two Three	100 100 100	
	LETDOWN HEAT EXCHANGER								SINGLE VESSEL
C 1.10	SHELL CIRCUMFERENTIAL WELDS								
	69- Letdown Heat Exchanger	Shell to Flange	SN-N2370	Vol	1	50% 0 50%	One Two Three	50 50 100	
C 1.20	HEAD CIRCUMFERENTIAL WELDS	None	-	-	-	-	-	-	
C 1.30	TUBESHEET-TO-SHELL WELD								
	69- Letdown Heat Exchanger	Butt Weld	SN-N2370	Vol	1	50% 0 50%	One Two Three	50 50 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-1
PAGE 3 OF 3

ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	SHUTDOWN COOLING HEAT EXCHANGERS								MULTIPLE VESSELS; PERCENTAGE COMBINED
C1.10	SHELL CIRCUMFERENTIAL WELDS								
	84- Shutdown Cooling Heat Exchanger Room A	Shell to Flange	SN-18341	Vol	1	0 50% 0	One Two Three	- 50 50	
	87- Shutdown Cooling Heat Exchanger Room B	Shell to Flange	SN-18342	Vol	1	0 0 50%	One Two Three	- - 100	
C1.20	HEAD CIRCUMFERENTIAL WELDS	None	-	-	-	-	-	-	
C1.30	TUBESHEET-TO-SHELL WELD								
	84- SD Cooling Heat Exchanger Room A	Butt Weld	SN-18341	Vol	1	0 50% 0	One Two Three	- 50 50	
	87- SD Cooling Heat Exchanger Room B	Butt Weld	SN-18342	Vol	1	0 0 50%	One Two Three	- - 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-2
PAGE 1 OF 2

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY C-B: PRESSURE RETAINING NOZZLE WELDS IN VESSELS								INSIDE RADIUS ON PIPING ONLY GREATER THAN 12" DIAMETER
C2.10	NOZZLE IN VESSELS ≤ 1/2 IN NOMINAL THICKNESS	None	-	-	-	-	-	-	
C2.20	NOZZLES WITHOUT REINFORCING PLATE VESSELS > 1/2 IN. NOMINAL THICKNESS								
C2.21 & C2.22	NOZZLE-TO-SHELL (OR HEAD) WELDS AND NOZZLE INSIDE RADIUS SECTION								RELIEF REQUEST # 8
	41- Steam Generator 1	Nozzle to Vessel Welds	SN-78273-1	S, Vol	7	1 2 0	One Two Three	*	
	42- Steam Generator 2	Nozzle to Vessel Welds	SN-78273-2	S, Vol	7	1 0 3	One Two Three	*	
	84- SD Cooling Heat Exchanger Room A	Nozzle to Shell Welds	SN-18341	S, Vol	2	0 1 0	One Two Three	*	*MULTIPLE VESSELS: PERCENTAGE COMBINED
	87- SD Cooling Heat Exchanger B	Nozzle to Shell Welds	SN-18342	S, Vol	2	0 0 1	One Two Three	*	
			CATAGORY C-B TOTALS		18	2 3 4	One Two Three	22 56 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-2
PAGE 2 OF 2

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
C2.30	NOZZLES WITH REINFORCING PLATE IN VESSELS > 1/2 IN. NOMINAL THICKNESS	None	-	-	-	-	-	-	
C2.31	REINFORCING PLATE WELDS TO NOZZLE AND VESSEL	None	-	-	-	-	-	-	
C2.32	NOZZLE-TO-SHELL (OR HEAD) WELDS WHEN INSIDE OF VESSEL IS ACCESSIBLE	None	-	-	-	-	-	-	
C2.33	NOZZLE-TO-SHELL (OR HEAD) WELDS WHEN INSIDE OF VESSEL IS INACCESSIBLE	None	-	-	-	-	-	-	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-3
PAGE 1 OF 4

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY C-C: INTEGRAL ATTACHMENTS FOR VESSELS, PIPING PUMPS AND VALVES								
C3.10	PRESSURE VESSELS INTEGRALLY WELDED ATTACHMENTS								
	41- Steam Generator 1	Snubber Lugs	SN-78273-1	S	2	1 0 0	One Two Three	50 0 0	MULTIPLE VESSELS: PERCENTAGE COMBINED
	42- Steam Generator 2	Snubber Lugs	SN-78273-2	S	2	0 1 0	One Two Three	0 100 100	
	68- Regenerative Heat Exchanger	Supports	SN-79119	S	2	2 0 0	One Two Three	100 100 100	SINGLE VESSEL
C3.20	PIPING INTEGRALLY WELDED ATTACHMENTS								
	43- Main Steam SG 1 East 90° Inside Containment	Attachments	SG-36	S	2	0 0 2	One Two Three	*	*ITEM C3.20 SYSTEM PERCENTAGES COMBINED
	44- Main Steam SG 1 West 270° Inside Containment	Attachments	SG-33	S	1	0 1 0	One Two Three		
	45- Main Steam SG 2 East 270° Inside Containment	Attachments	SG-42	S	4	1 2 1	One Two Three		
	46- Main Steam SG 2 West 90° Inside Containment	Attachments	SG-45	S	1	0 0 1	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-3
PAGE 2 OF 4

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	54- Feedwater SG No. 1 Inside Containment	Attachments	SG-002	S	1	0 0 1	One Two Three		
	55- Feedwater SG No. 2 Inside Containment	Attachments	SG-005	S	2	1 0 1	One Two Three		
	62- Auxiliary Feedwater SG 1	Attachments	AF-018	S	1	0 1 0	One Two Three		
	64- Blowdown SG 1 Inside Containment	Attachments	SG-39 SG-53	S	4	2 1 1	One Two Three		
	65- Blowdown SG 2 Inside Containment	Attachments	SG-48 SG-52	S	6	2 3 1	One Two Three		
	71- LPSI Pump Room A Discharge	Attachments	SI-87	S	1	1 0 0	One Two Three		
	76- Containment Spray Pump Room A Suction	Attachments	SI-9	S	1	1 0 0	One Two Three		
	77- Containment Spray Pump Room A Discharge	Attachments	SI-79	S	1	0 0 1	One Two Three		
	80- Containment Spray Pump Room B Discharge	Attachments	SI-119	S	1	0 0 1	One Two Three		
	82- Shutdown Cooling Heat Exchanger Room A	Attachments	SI-78	S	1	0 0 1	One Two Three		
	83- Shutdown Cooling Heat Exchanger Room A	Attachments	SI-70 SI-87 SI-90	S	4	0 2 2	One Two Three		
	86- Shutdown Cooling Heat Exchanger Room B	Attachments	SI-72	S	2	0 0 2	One Two Three		
	88- East Wrap	Attachments	SI-72	S	1	1 0 0	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-3
PAGE 3 OF 4

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	89- East Wrap	Attachments	SI-194	S	1	1 0 0	One Two Three		
	91- West Wrap	Attachments	SI-70	S	4	4 0 0	One Two Three		
	92- West Wrap	Attachments	SI-239 SI-241	S	3	1 2 0	One Two Three		
	93- West Wrap	Attachments	SI-89	S	1	0 1 0	One Two Three		
	94- A Train Misc. Pipe Chases & 88' Pipe Tunnel	Attachments	SI-70	S	2	0 2 0	One Two Three		
	95- B Train Misc. Pipe Chases & 88' Pipe Tunnel	Attachments	SI-194	S	1	0 0 1	One Two Three		
	96- Containment LPSI Header to Loop 1A	Attachments	SI-202	S	1	0 0 1	One Two Three		
	99- Containment LPSI Header to Loop 2B	Attachments	SI-174	S	1	0 1 0	One Two Three		
	100- Containment LPSI Train A Suction	Attachments	SI-7 SI-369	S	2	1 1 0	One Two Three		
	101- Containment LPSI Train B Suction	Attachments	SI-30	S	1	0 0 1	One Two Three		
	102- SI Pump Suction A	Attachments	SI-307	S	3	3 0 0	One Two Three		
	103- Refueling Water Suction A	Attachments	CH-142 CH-424	S	2	0 2 0	One Two Three		
	104- SI Pump Suction B	Attachments	SI-308	S	1	0 1 0	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-3
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ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	105- Refueling Water Suction B	Attachments	CH-149 CH-425	S	3	0 0 3	One Two Three		
	113- HPSI Discharge	Attachments	SI-107	S	1	1 0 0	One Two Three		
			Item C 3.20 Totals	S	61	20 20 21	One Two Three	32 65 100	
C3.30	PUMPS INTEGRALLY WELDED ATTACHMENTS								
	72- LPSI Pump A	Attachment Lugs	SN 0876-36	S	3	3 0 0	One Two Three	100 100 100	
	75- LPSI Pump B	Attachment Lugs	SN 0876-37	S	3	0 3 0	One Two Three	0 100 100	
	78- Containment Spray Pump A	Attachment Lugs	SN 0876-38	S	3	0 3 0	One Two Three	0 100 100	
	81- Containment Spray Pump B	Attachment Lugs	SN 0876-39	S	3	0 0 3	One Two Three	0 0 100	
	116-HPSI Pump A	Attachment Lugs	SN 0776-14	S	4	4 0 0	One Two Three	100 100 100	
	117-HPSI Pump B	Attachment Lugs	SN 0776-15	S	4	0 4 0	One Two Three	 100 100	
C3.40	VALVES INTEGRALLY WELDED ATTACHMENTS	None	-	-	-	-	-	-	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-4
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY C-D: PRESSURE RETAINING BOLTING EXCEEDING 2 IN. IN DIAMETER								
C4.10	PRESSURE VESSELS BOLTS AND STUDS	None	-	-	-	-	-	-	
C4.20	PIPING BOLTS AND STUDS	None	-	-	-	-	-	-	
C4.30	PUMPS BOLTS AND STUDS	None	-	-	-	-	-	-	
C4.40	VALVES BOLTS AND STUDS								
	47- Main Steam SG 1 West 270° MSSS	Bonnet Bolts	UV-170	Vol	20	20	One		ITEM C4.40 COMBINED FOR PERCENTAGE
	48- Main Steam SG 1 East 90° MSSS	Bonnet Bolts	UV-180	Vol	20	20	One		
	49- Main Steam SG 2 East 270° MSSS	Bonnet Bolts	UV-171	Vol	20	20	Three		
	50- Main Steam SG 2 West 90° MSSS	Bonnet Bolts	UV-181	Vol	20	20	Three		
	56- Feedwater SG No. 1 MSSS	Bonnet Bolts	UV-132 UV-174	Vol Vol	20 20	20 20	Two Two		
	57- Feedwater SG No. 2 MSSS	Bonnet Bolts	UV-137 UV-177	Vol Vol	20 20	20 20	Three Three		
			Item C4.40 Totals		160	40 40 80	One Two Three	25 50 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5A
PAGE 1 OF 8

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAMINATION CATEGORY C-F-1, PRESSURE RETAINING WELDS IN AUSTENITIC STAINLESS STEEL OR HIGH ALLOY PIPING								*Includes one dissimilar weld **2.5t Min from each scheduled circ. weld intersection will be examined
C5.10	PIPING WELDS ≥ 3/8" NOMINAL WALL THICKNESS FOR PIPING ≥ NPS 4"								
C5.11 C5.12	CIRCUMFERENTIAL AND LONGITUDINAL **WELDS								
	58-Aux Feed S/G 1	Butt Welds 6" x 0.562"	AF-004	S, VOL	13*	0 0 2	One Two Three		
	59-Aux Feed S/G 2	Butt Welds 6" x 0.562"	AF-006	S, VOL	12*	0 2 0	One Two Three		
	62-Aux Feed S/G 1	Butt Welds 6" x 0.562"	AF-004 AF-018	S, VOL S, VOL	7 11	0 1 1	One Two Three		
	63-Aux Feed S/G 2	Butt Welds 6" x 0.562"	AF-006 AF-016	S, VOL S, VOL	13 3	1 1 0	One Two Three		
	70-LPSI Pump Room A Suction 73-LPSI Pump Room B Suction	Butt Welds 14" x 0.312			(48)				
			SI-307 SI-308	N/A N/A	6 6	1 1 2	One Two Three		Item No. C5.10 Percentages Combined
		16" x 0.312	SI-67 SI-34	N/A N/A	5 5				
		18" x 0.312"	SI-241 SI-194	N/A N/A	3 3				
		20" x 0.375"	SI-307 SI-308	S, VOL S, VOL	10 10				
	71-LPSI Pump Room A Discharge 74-LPSI Pump Room B Discharge	Butt Welds 8" x 0.322"			(56)				
			SI-87 SI-129	N/A N/A	2 2	0 0 0	One Two Three		
		10" x 0.365"	SI-78 SI-123 SI-87 SI-129	N/A N/A N/A N/A	3 3 24 22				

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5A
PAGE 2 OF 8

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	76-Containment Spray Pump Room A Suction 79-Containment Spray Pump Room B Suction	Butt Welds 10" x 0.365"			(47)				
			SI-78	N/A	2	0	One		
			SI-123	N/A	2	0	Two		
						0	Three		
		14" x 0.312"	SI-009	N/A	4				
			SI-33	N/A	4				
		14" x 0.312"	SI-67	N/A	7				
			SI-34	N/A	7				
		16" x 0.312"	SI-67	N/A	2				
			SI-34	N/A	2				
		18" x 0.312"	SI-9	N/A	9				
			SI-33	N/A	8				
	77-Containment Spray Pump Room A Discharge 80-Containment Spray Pump Room B Discharge	Butt Welds 8" x 0.322"			(67)				
			SI-79	N/A	1	0	One		
			SI-119	N/A	1	0	Two		
						0	Three		
		10" x 0. 365"	SI-79	N/A	27				
			SI-119	N/A	27				
		10" x 0.365"	SI-82	N/A	5				
			SI-147	N/A	6				
	82-Shutdown Cooling Heat Exchanger Room A 85-Shutdown Cooling Heat Exchanger Room B	Butt Welds 10" x 0.365"			(45)				
			SI-078	N/A	9	2	One		
			SI-123	N/A	10	1	Two		
						2	Three		
		10" x 0.365"	SI-79	N/A	9				
			SI-119	N/A	9				
		20" x 0.500"	SI-078	S, Vol	3				
			SI-123	S, Vol	5				

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	83-Shutdown Cooling Heat Exchanger Room A 86-Shutdown Cooling Heat Exchanger Room B	Butt Welds 6" x 0.280"			(115)				
			SI-131	N/A	4	4	One		
			SI-131	N/A	4	3	Two		
						4	Three		
		10" x 0.365"	SI-82	N/A	3				
			SI-147	N/A	3				
		10" x 0.365"	SI-87	N/A	12				
			SI-129	N/A	7				
		10" x 0.365"	SI-89	N/A	14				
			SI-134	N/A	14				
		14" x 0.375"	SI-90	S, Vol	10				
			SI-135	S, Vol	10				
		16" x 0.375"	SI-70	S, Vol	4				
			SI-72	S, Vol	4				
		20" x 0.500"	SI-70	S, Vol	14				
			SI-72	S, Vol	12				
	88 & 91 Safety Injection East & West Wraps	Butt Welds 10" x 0.365"			(85)				
			SI-172	N/A	4	6	One		
			SI-71		2	7	Two		
						8	Three		
		12" x 0.375"	SI-72	S, Vol	15				
			SI-73	S, Vol	6				
			SI-70	S, Vol	11				
			SI-71	S, Vol	8				
		12" x 1.125"	SI-155	S, Vol	6				
			SI-174	S, Vol	6				
			SI-72	S, Vol	2				
			SI-73	S, Vol	2				
			SI-70	S, Vol	2				
			SI-71	S, Vol	2				
			SI-202	S, Vol	7				
			SI-220	S, Vol	6				
		20" x 0.500"	SI-72	S, Vol	3				
			SI-70	S, Vol	3				

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5A
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ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	89-East Wrap, 92-West Wrap Shutdown Cooling Suction	Butt Welds			(63)				
		10" x 0.250"	SI-173	N/A	10	0	One		
			SI-239	N/A	09	0	Two		
						0	Three		
		10" x 0.365"	SI-173	N/A	1				
			SI-239	N/A	1				
		12" x 0.250"	SI-38	N/A	4				
			SI-2	N/A	10				
		16" x 0.312"	SI-194	N/A	8				
			SI-241	N/A	10				
			SI-173	N/A	2				
		18" x 0.312"	SI-194	N/A	3				
			SI-241	N/A	5				
	90 & 93 Safety Injection East & West Wrap	Butt Welds			(28)				
		8" x 0.322"	SI-134	N/A	2	0	One		
			SI-89	N/A	2	1	Two		
						1	Three		
		10" x 0.365"	SI-134	N/A	5				
			SI-89	N/A	11				
		24" x 0.375"	SI-30	S, Vol	2				
			SI-89	S, Vol	2				
		24" x 0.562"	SI-308	S, Vol	2				
			SI-307	S, Vol	2				

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5A
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ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	94 & 95 Safety Injection A & B Train	Butt Welds			(67)				
		10" x 0.365"	SI-89	N/A	10	1	One		
			SI-134	N/A	9	2	Two		
						3	Three		
		18" x 0.312"	SI-194	N/A	18				
			SI-241	N/A	15				
		20" x 0.500"	SI-70	S, Vol	10				
			SI-72	S, Vol	5				
	96 - Containment LPSI Header Loop 1A				(106)				
		12" x 1.125"	SI-202	S, Vol	4	3	One		
	97 - Containment LPSI Header Loop 1B		SI-220	S, Vol	4	2	Two		
			SI-155	S, Vol	4	3	Three		
			SI-174	S, Vol	2				
	98 - Containment LPSI Header Loop 2A	12" x 1.312"	SI-202	S, Vol	22				
	99 - Containment LPSI Header Loop 2B		SI-220	S, Vol	34				
			SI-155	S, Vol	21				
			SI-174	S, Vol	15				
	100 & 101 LPSI Suction Inside Containment	Butt Welds			(47)				
		6" x 0.280"	SI-369	N/A	1	0	One		
			SI-368	N/A	1	2	Two		
						2	Three		
		10" x 0.250"	SI-369	N/A	9				
			SI-368	N/A	16				
		16" x 0.312"	SI-241	N/A	3				
			SI-194	N/A	9				
		16" x 1.594	SI-241	S, Vol	2				
			SI-194	S, Vol	2				
		24" x 0.375"	SI-7	S, Vol	2				
			SI-30	S, Vol	2				
	102-Safety Injection "A" Train Suction	Butt Welds			(44)				
		24" x 0.562"	SI-307	S, Vol	12	1	One		
		20" x 0.375"	SI-307	S, Vol	7	1	Two		
		18" x 0.312"	SI-009	N/A	6	2	Three		
		10" x 0.250"	SI-008	N/A	19				

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5A
PAGE 6 OF 8

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	103-Refueling Water Tank Suction "A" Train	Butt Welds			(33)				
		20" x 0.375"	CH-424	S, Vol	11	1	One		
		20" x 0.375"	CH-142	S, Vol	22	1	Two		
						1	Three		
	104-Safety Injection "B" Train Suction	Butt Welds			(39)				
		24" x 0.562"	SI-308	S, Vol	12	1	One		
		20" x 0.375"	SI-308	S, Vol	7	1	Two		
		18" x 0.312"	SI-033	N/A	7	2	Three		
		10" x 0.250"	SI-031	N/A	13				
	105-Refueling Water Tank "B" Train Suction	Butt Welds			(46)				
		20" x 0.375"	CH-425	S, Vol	10	1	One		
		20" x 0.375"	CH-149	S, Vol	36	1	Two		
						2	Three		
			Item C5.11 & C5.12		995x	22	One	29	
			Totals		7.5%	27	Two	65	
					= 75	35	Three	100	
						84			
C5.20	PIPING WELDS >1/5" NOMINAL WALL THICKNESS FOR PIPING ≥NPS 2" AND ≤ NPS 4".								
C5.21	CIRCUMFERENTIAL WELD								
	106 & 107 HPSI Pump Room Discharge A&B	Butt Welds			(137)				
		4" x 0.438"	SI-100	S, Vol	39	3	One		
		4" x 0.337"	SI-99	S, Vol	5	3	Two		
			SI-107	S, Vol	41	4	Three		
		3" x 0.438"	SI-106	S, Vol	4				
			SI-107	S, Vol	4				
		2" x 0.344"	SI-105	S, Vol	21				
			SI-112	S, Vol	23				
	108 & 109 HPSI 88' Pipechase	Butt Welds			(88)				
		4" x 0.377"	SI-100	S, Vol	34	2	One		
		2" x 0344"	SI-118	S, Vol	11	3	Two		
		4" x 0.438"	SI-107	S, Vol	43	3	Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5A
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ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	110 & 111 HPSI Discharge West Wrap	Butt Welds			(105)				
		4" x 0.337"	SI-107	S, Vol	10	2	One		
		4" x 0.438"	SI-218	S, Vol	15	3	Two		
			SI-100	S, Vol	8	4	Three		
			SI-236	S, Vol	14				
		3" x 0.438"	SI-218	S, Vol	2				
			SI-236	S, Vol	2				
		2" x 0.344"	SI-103	S, Vol	13				
			SI-107	S, Vol	7				
			SI-110	S, Vol	7				
			SI-218	S, Vol	5				
			SI-236	S, Vol	5				
			SI-100	S, Vol	17				
	112 & 113 HPSI Discharge East Wrap	Butt Welds			(97)				
		4" x 0.337"	SI-107	S, Vol	6	3	One		
		4" x 0.438"	SI-100	S, Vol	6	2	Two		
			SI-176	S, Vol	12	4	Three		
		3" x 0.438"	SI-157	S, Vol	17				
			SI-176	S, Vol	2				
		2" x 0.344"	SI-157	S, Vol	2				
			SI-101	S, Vol	14				
			SI-102	S, Vol	12				
			SI-106	S, Vol	9				
			SI-109	S, Vol	7				
			SI-157	S, Vol	5				
			SI-176	S, Vol	5				
	114 & 115 HPSI Header 1A, 1B, 2A, & 2B	Butt Welds			(45)				
		3" x 0.438"	SI-218	S, Vol	11	1	One		
			SI-236	S, Vol	12	1	Two		
			SI-157	S, Vol	12	2	Three		
			SI-176	S, Vol	10				
			Item C 5.21 Totals		472	11	One	31	
					X 7.5%	12	Two	64	
					= 36	17	Three	100	
						40			
C 5.22	LONGITUDINAL WELD	NONE							
C 5.30	SOCKET WELDS								
	106 & 107 HPSI DISCHARGE	Socket Welds	SI-105	S	3	1	One	33	
		2" x 0.344"	SI-112	S	3	1	Two	67	
						1	Three	100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5A
PAGE 8 OF 8

ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
C5.40	PIPE BRANC CONNECTIONS OF BRANCH PIPING ≥ NPS 2"								
C 5.41 C 5.42	CIRCUMFERENTIAL AND LONGITUDINAL WELDS*								
	82 & 85 Shutdown Cooling Heat Exchanger A&B Inlets	Sweepolet 20" x 10"	SI-78 SI-123	S S	(4) 2 2	1 0 0	One Two Three	**	
	83 & 86 Shutdown Cooling Heat Exchanger A&B Outlets	Sweepolets 20" x 6" 20" x 10" 20" x 14"	SI-70 SI-72	S S	(8) 4 4	0 0 1	One Two Three		*2.5T min. from each weld intersection will be examined
	88 & 91 East Wrap & West Wrap	Sweepolets 20" x 12"	SI-70 SI-72	S S	(2) 1 1	1 0 0	One Two Three		
	89 & 92 East Wrap & West Wrap	Sweepolets 18" x 12"	SI-194 SI-241	S S	(2) 1 1	0 1 0	One Two Three		** Item No. C5.40 Percentages Combined
	96 - Containment LPSI Header Loop 1A 97 - Containment LPSI Header Loop 1B 98 - Containment LPSI Header Loop 2A 99 - Containment LPSI Header Loop 2B	Sweepolets 12" x 3"	SI-202 SI-220 SI-155 SI-174	S	(4) 1 1 1 1	0 1 0	One Two Three		
	102- Safety Injection "A" Train Suction	Sweepolets 24" x 10" 24" x 18" 24" x 20"	SI-307	S	3	0 0 1	One Two Three		
	104- Safety Injection "B" Train Suction	Sweepolets 24" x 10" 24" x 18" 24" x 20"	SI-308	S	3	0 0 1	One Two Three		
			Item C 5.40 Systems Total		26x7.5% = 2	2 2 3	One Two Three	29 57 100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5B
PAGE 1 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAMINATION CATEGORY CF2 PRESSURE RETAINING WELDS IN CARBON OR LOW ALLOY STEEL PIPING								
C 5.50	PIPING WELDS ≥3/8 IN. NOMINAL WALL THICKNESS FOR PIPING ≥NPS 4								
C 5.51 C 5.52	CIRCUMFERENTIAL AND ** LONGITUDINAL								* REQUIREMENTS IDENTIFIED IN TABLE 2-AHE
	43- Main Steam SG 1 East	Butt Welds	SG-36-28"	S, Vol	18	1 0 1	One Two Three	***	*** CATAGORY CF-2 PERCENTAGES COMBINED
	44- Main Steam SG 1 West	Butt Welds	SG-33-28"	S, Vol	20	1 2 0	One Two Three		** 2.5T MIN. FROM EACH SCHEDULED CIRC. WELD INTERSECTION WILL BE EXAMINED
	45- Main Steam SG 2 East 270° Inside Containment	Butt Welds	SG-42-28"	S, Vol	18	0 1 1	One Two Three		
	46- Main Steam SG 2 West 90° Inside Containment	Butt Welds	SG-45-28"	S, Vol	20	1 1 1	One Two Three		
	47- Main Steam SG 1 West 270° MSSS	Butt Welds	SG-206-28" SG-206-12" SG-206-6"	S, Vol S, Vol S, Vol	5 2 5	* * *	-	-	
	48- Main Steam SG 1 East 90° MSSS	Butt Welds	SG-207-28" SG-207-12" SG-207-6"	S, Vol S, Vol S, Vol	5 2 5	* * *	-	-	
	49- Main Steam SG 2 East 270° MSSS	Butt Welds	SG-208-28" SG-208-12" SG-208-6"	S, Vol S, Vol S, Vol	5 2 5	* * *	-	-	
	50- Main Steam SG 2 West 90° MSSS	Butt Welds	SG-209-28" SG-209-12" SG-209-6"	S, Vol S, Vol S, Vol	5 2 5	* * *	-	-	
	51- Atmospheric Dump No. 1	Butt Welds	SG-59-12" SG-70-12"	S, Vol S, Vol	13 16	* *	-	-	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5B
PAGE 2 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	52- Atmospheric Dump No. 2	Butt Welds	SG-84-12" SG-103-12"	S, Vol S, Vol	16 13	* *	-	-	
	53- Steam to Aux Feedwater System	Butt Welds	SG-81-6" SG-83-6"	S, Vol S, Vol	14 14	* *	-	-	
	54- Feedwater SG No. 1 Inside Containment	Butt Welds	SG-2-24" SG-2-16" SG-2-14" SG-13-16" SG-13-14"	S, Vol S, Vol S, Vol S, Vol S, Vol	33 4 11 4 11	1 1 3	One Two Three		
	55- Feedwater SG No. 2 Inside Containment	Butt Welds	SG-5-24" SG-5-16" SG-5-14" SG-14-16" SG-14-14"	S, Vol S, Vol S, Vol S, Vol S, Vol	31 3 10 4 10	2 1 2	One Two Three		
	56- Feedwater SG No. 1 MSSS	Butt Welds	SG-201-24" SG-202-24"	S, Vol S, Vol	2 3	* *	-	-	
	57- Feedwater SG No. 2 MSSS	Butt Welds	SG-204-24" SG-205-24"	S, Vol S, Vol	2 3	* *	-	-	* REQUIREMENTS IDENTIFIED IN TABLE 2-AHE
	58- Aux & Downcomer Feedwater SG 1 Inside Containment	Butt Welds	SG-8-6" SG-8-8"	S, Vol** S, Vol**	4 23	1(5) 0(5) 1(5)	One Two Three		
	59- Aux & Downcomer Feedwater SG 2 Inside Containment	Butt Welds	SG-11-6" SG-11-8"	S, Vol** S, Vol**	4 22	0(5) 1(5) 1(5)	One Two Three		** AN AUGMENTED [in ()] VOL EXAMINATION WILL BE PERFORMED EACH PERIOD (SEE IEB 79-13 AND SER 83-07)
	60- Downcomer Feedwater SG 1 MSSS	Butt Welds	SG-200-8" SG-008-8"	S, Vol S, Vol	2 4	*	-	-	
	61- Downcomer Feedwater SG 2 MSSS	Butt Welds	SG-203-8" SG-11-8"	S, Vol S, Vol	2 4	*	-	-	
	64- Blowdown SG 1 Inside Containment	Butt Welds	SG-39-6" SG-53-6"	S, Vol S, Vol	37 14	1 1 1	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-5B
PAGE 3 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	65- Blowdown SG 2 Inside Containment	Butt Welds	SG-48-6" SG-52-6"	S, Vol S, Vol	36 14	1 1 1	One Two Three		
	66- Blowdown SG 1 MSSS	Butt Welds	SG-39-6"	S, Vol	3	*	-	-	*REQUIREMENTS IDENTIFIED IN TABLE 2-AHE
	67- Blowdown SG 2 MSSS	Butt Welds	SG -48-6"	S, Vol	3	*	-	-	
C5.60	PIPING WELDS >1/5" NOMINAL WALL THICKNESS FOR PIPING ≥NPS 2" AND ≤ NPS 4"								
C5.61 C5.62	CIRCUMFERENTIAL WELD LONGITUDINAL WELD	NONE NONE							
C5.70	SOCKET WELDS	NONE							
C5.80	PIPE BRANCH CONNEC-TIONS OF BRANCH PIPING ≥ NPS 2"								**2.5T MIN FROM EACH SCHEDULED BRANCH WELD INTERSECTION WILL BE EXAMINED
C5.81 C5.82	CIRCUMFERENTIAL AND **LONGITUDINAL WELDS								
	47- Main Steam SG 1 West 270° MSSS	Sweepolets 28" x 12" 28" x 6"	SG-206-28"	S	7	*	-	-	
	48- Main Steam SG 1 East 90° MSSS	Sweepolets 28" x 12" 28" x 6"	SG-207-28"	S	8	*	-	-	
	49- Main Steam SG 2 East 270° MSSS	Sweepolets 28" x 12" 28" x 6"	SG-208-28"	S	8	*	-	-	
	50- Main Steam SG 2 West 90° MSSS	Sweepolets 28" x 12" 28" x 6"	SG-209-28"	S	7	*	-	-	
			Category CF-2 Totals		*** 351 X 7.5% =27	9 9 12 30	One Two Three	33 66 100	***Total does not include AHE or IEB 79-13 welds

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-6
PAGE 1 OF 2

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY C-G: PRESSURE RETAINING WELDS IN PUMPS AND VALVES								
C 6.10	PUMPS PUMP CASING WELDS								
	116- HPSI Pump A 117- HPSI Pump B	Casing Welds	Inlet and Outlet Nozzles	S S	2 2	Examine 1 Inlet and 1 Outlet Weld (50% of Total Items)	*	100	*BY THE END OF THE INTERVAL
C 6.20	VALVES VALVE BODY WELDS						*		
	47- Main Steam	Dresser, 6"x10" Pressure Safety	PSV-572 PSV-573 PSV-574 PSV-575 PSV-692	S	5	Examine the Weld in 1 Valve	*	100	
	48- Main Steam	Dresser, 6"x10" Pressure Safety	PSV-576 PSV-577 PSV-578 PSV-579 PSV-691	S	5				
	49- Main Steam	Dresser, 6"x10" Pressure Safety	PSV-554 PSV-555 PSV-556 PSV-557 PSV-695	S	5				
	50- Main Steam	Dresser, 6"x10" Pressure Safety	PSV-558 PSV-559 PSV-560 PSV-561 PSV-694	S	5				
	83-SDCHX A 86-SDCHX B	Borg Warner, 6" Gate Valves	V-460 V-464	S S	1 1	Examine the Weld in 1 Valve	*	100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-6
PAGE 2 OF 2

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
C6.20	92- West Wrap Safety Injection 89- East Wrap Safety Injection	Borg Warner 16" Gate Valves	UV-655 UV-656	S S	1 1	Examine the Weld in 1 Valve	*	100	* BY THE END OF THE INTERVAL
	106- HPSI Discharge A 107- HPSI Discharge B	Borg Warner 4" Gate Valves	V-476 HV-698 V-478 HV-699	S S S S	1 1 1 1	Examine the Weld in 1 Valve	*		
	106- HPSI Discharge A 107- HPSI Discharge B	Borg Warner 4" Check Valves	V-404 V-405	S S	1 1	Examine the Weld in 1 Valve	*		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-7
PAGE 1 OF 1

ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAM CATEGORY C-H: ALL PRESSURE RETAINING COMPONENTS								
	SYSTEM LEAKAGE TESTS								
C7.10 C7.30 C7.50 C7.70	Pressure Vessels Piping Pumps Valves	Pressure Retaining Boundary	-	VT-2	-	Pressure Retaining Boundary IWA-5000 & IWC-5000	*	100	* EACH INSPECTION PERIOD
	SYSTEM HYDRO-TESTS***								
C7.20 C7.40 C7.60 C7.80	Pressure Vessels Piping Pumps Valves	Pressure Retaining Boundary	-	VT-2	-	Pressure Retaining Boundary IWA-5000 & IWC-5000	**	100	** EACH INSPECTION INTERVAL *** CODE CASE N-498-1 REQUEST FOR RELIEF #6

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-IWF
PAGE 1 OF 7

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
*	EXAM CATEGORY F-A, SUPPORTS								REQUEST FOR RELIEF #4 & 5 * ITEMS NOT CATAGORIZED. ALL CLASS 2 SUPPORTS EXAMINED
F1.20 & F1.40	CLASS 2 PIPING SUPPORTS SUPPORTS OTHER THAN PIPING SUPPORTS (CLASS 1, 2, 3 AND MC)								
	41- Steam Generator 1	Snubbers	SN-78273-1	VT-3	2	2 0 0	One Two Three	**	**ALL ZONES COMBINED FOR PERCENTAGE
	42- Steam Generator 2	Snubbers	SN-78273-2	VT-3	2	0 2 0	One Two Three		
	43- Main Steam SG 1 East 90° Inside Containment	Supports	SG-36	VT-3	5	2 1 2	One Two Three		
	44- Main Steam SG 1 West 270° Inside Containment	Supports	SG-33	VT-3	6	2 3 1	One Two Three		
	45- Main Steam SG 2 East 270° Inside Containment	Supports	SG-42	VT-3	7	1 3 3	One Two Three		
	46- Main Steam SG 2 West 90° Inside Containment	Supports	SG-45	VT-3	6	2 3 1	One Two Three		
	47- Main Steam SG 1 West 270° MSSS	Supports	SG-206	VT-3	1	1 0 0	One Two Three		
	48- Main Steam SG 1 East 90° MSSS	Supports	SG-207	VT-3	1	0 1 0	One Two Three		
	49- Main Steam SG 2 East 270° MSSS	Supports	SG-208	VT-3	1	0 0 1	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-IWF
PAGE 2 OF 7

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	50- Main Steam SG 2 West 90° MSSS	Supports	SG-209	VT-3	1	0 0 1	One Two Three		
	51- Atmospheric Dump No. 1	Supports	SG-59 SG-70	VT-3	2	1 1 0	One Two Three		
	52- Atmospheric Dump No. 2 SG-2	Supports	SG-84 SG-103	VT-3	2	0 0 2	One Two Three		
	53- Steam to Aux Feedwater System	Supports	SG-81 SG-83	VT-3	8	4 2 2	One Two Three		
	54- Feedwater SG No. 1 Inside Containment	Supports	SG-2 SG-13	VT-3	20	7 7 6	One Two Three		
	55- Feedwater SG No. 2 Inside Containment	Supports	SG-5 SG-14	VT-3	20	9 7 4	One Two Three		
	56- Feedwater SG No. 1 MSSS	Supports	SG-202	VT-3	1	0 1 0	One Two Three		
	57- Feedwater SG No. 2 MSSS	Supports	SG-205	VT-3	1	0 0 1	One Two Three		
	58- Aux & Downcomer Feedwater SG 1 Inside Containment	Supports	SG-8 AF-4	VT-3	22	7 7 8	One Two Three		
	59- Aux & Downcomer Feedwater SG 2 Inside Containment	Supports	SG-11 AF-6	VT-3	22	6 6 10	One Two Three		
	60- Downcomer Feedwater SG 1 MSSS	Supports	SG-200	VT-3	3	1 0 2	One Two Three		
	61- Downcomer Feedwater SG 2 MSSS	Supports	SG-203	VT-3	3	0 2 1	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-IWF
PAGE 3 OF 7

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	62- Auxiliary Feedwater SG 1 MSSS	Supports	AF-4 AF-18	VT-3	4	1 1 2	One Two Three		
	63- Auxiliary Feedwater SG 2 MSSS	Supports	AF-6 AF-16	VT-3	5	2 2 1	One Two Three		
	64- Blowdown SG 1 Inside Containment	Supports	SG-39 SG-53	VT-3	30	11 13 6	One Two Three		
	65- Blowdown SG 2 Inside Containment	Supports	SG-48 SG-52	VT-3	29	12 11 6	One Two Three		
	68- Regenerative Heat Exchanger	Supports	SN-79119	VT-3	2	2 0 0	One Two Three		
	70- LPSI Pump Room A Suction	Supports	SI-67 SI-241 SI-307	VT-3	5	1 0 4	One Two Three		
	71- LPSI Pump Room A Discharge	Supports	SI-78 SI-87	VT-3	7	1 5 1	One Two Three		
	72- LPSI Pump A	Supports	SN-0876-36	VT-3	3**	3 0 0	One Two Three		** 3 PUMP SUPPORTS
	73- LPSI Pump Room B Suction	Supports	SI-34 SI-194 SI-308	VT-3	5	0 1 4	One Two Three		
	74- LPSI Pump Room B Discharge	Supports	SI-129	VT-3	6	0 0 6	One Two Three		
	75- LPSI Pump B	Supports	SN-0876-37	VT-3	3**	0 3 0	One Two Three		
	76- Containment Spray Pump A Suction	Supports	SI-9 SI-67	VT-3	4	1 0 3	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-IWF
PAGE 4 OF 7

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	77- Containment Spray Pump A Discharge	Supports	SI-79 SI-82	VT-3	10	4 3 3	One Two Three		
	78- Containment Spray Pump A	Supports	SN-0876-38	VT-3	3**	0 3 0	One Two Three		**3 PUMP SUPPORTS
	79- Containment Spray Pump B Suction	Supports	SI-33 SI-34	VT-3	6	3 1 2	One Two Three		
	80- Containment Spray Pump B Discharge	Supports	SI-119 SI-147	VT-3	10	3 4 3	One Two Three		
	81- Containment Spray Pump B	Supports	SN-0876-39	VT-3	3**	0 0 3	One Two Three		
	82- Shutdown Cooling A	Supports	SI-79 SI-78	VT-3	3	2 0 1	One Two Three		
	83- Shutdown Cooling A	Supports	SI-70 SI-87 SI-90 SI-89 SI-82	VT-3	19	4 3 12	One Two Three		
	85- Shutdown Cooling B	Supports	SI-119 SI-123	VT-3	10	3 6 1	One Two Three		
	86- Shutdown Cooling B	Supports	SI-72 SI-134 SI-147 SI-135 SI-129	VT-3	25	3 7 15	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-IWF

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	88- East Wrap	Supports	SI-72 SI-73	VT-3	14	8 0 6	One Two Three		
	89- East Wrap	Supports	SI-173 SI-194	VT-3	5	4 0 1	One Two Three		
	90- East Wrap	Supports	SI-134	VT-3	2	0 2 0	One Two Three		
	91- West Wrap	Supports	SI-70 SI-71	VT-3	10	7 2 1	One Two Three		
	92- West Wrap	Supports	SI-2 SI-239 SI-241	VT-3	12	5 5 2	One Two Three		
	93- West Wrap	Supports	SI-89	VT-3	4	0 2 2	One Two Three		
	94- A Train Misc. Pipe Chases & 88' Pipe Tunnel	Supports	SI-70 SI-89 SI-241	VT-3	15	3 7 5	One Two Three		
	95- B Train Misc. Pipe Chases & 88' Pipe Tunnel	Supports	SI-72 SI-134 SI-194	VT-3	19	6 10 3	One Two Three		
	96- Containment LPSI Header to Loop 1A	Supports	SI-202	VT-3	16	3 8 5	One Two Three		
	97- Containment LPSI Header to Loop 1B	Supports	SI-220	VT-3	23	10 7 6	One Two Three		
	98- Containment LPSI Header to Loop 2A	Supports	SI-155	VT-3	7	2 5 0	One Two Three		
	99- Containment LPSI Header to Loop 2B	Supports	SI-174	VT-3	9	0 5 4	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-IWF

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	100- Containment LPSI Train A Suction	Supports	SI-7 SI-241 SI-369	VT-3	3	2 1 0	One Two Three		
	101- Containment LPSI Train B Suction	Supports	SI-30 SI-194 SI-368	VT-3	8	0 0 8	One Two Thee		
	102- SI Pump Suction A	Supports	SI-307 SI-008 SI-009	VT-3	20	6 7 7	One Two Three		
	103- Refueling Water Suction A	Supports	CH-142 CH-424	VT-3	18	6 6 6	One Two Three		
	104- SI Pump Suction B	Supports	SI-308 SI-031 SI-033	VT-3	20	7 7 6	One Two Three		
	105- Refueling Water Suction B	Supports	CH-149 CH-425	VT-3	22	7 7 8	One Two Three		
	106- HPSI A Pump Room Discharge	Supports	SI-99 SI-100 SI-105 SI-106	VT-3	22	8 7 7	One Two Three		
	107- HPSI B Pump Room Discharge	Supports	SI-107 SI-112	VT-3	18	6 6 6	One Two Three		
	108- HPSI Discharge 88' Pipe Chase	Supports	SI-100 SI-118	VT-3	33	11 11 11	One Two Three		
	109- HPSI Discharge 88' Pipe Chase	Supports	SI-107	VT-3	21	7 7 7	One Two Three		
	110- HPSI Discharge West Wrap	Supports	SI-103 SI-107 SI-110 SI-218 SI-236	VT-3	20	7 7 6	One Two Three		
	111- HPSI Discharge West Wrap	Supports	SI-100 SI-236	VT-3	10	3 4 3	One Two Three		

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 ASME CLASS 2

TABLE 2-IWF
PAGE 7 OF 7

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	112- HPSI Discharge East Wrap	Supports	SI-100 SI-101 SI-102 SI-176	VT-3	10	3 3 4	One Two Three		
	113- HPSI Discharge East Wrap	Supports	SI-106 SI-107 SI-109 SI-157 SI-176	VT-3	13	5 4 4	One Two Three		
	114- HPSI Header to Loop 1A & 1B	Supports	SI-218 SI-236	VT-3	2	0 0 2	One Two Three		
	115- HPSI Header to Loop 2A & 2B	Supports	SI-157 SI-176	VT-3	3	0 3 0	One Two Three		
	116 - HPSI Pump A	Supports	SN 0776-14	VT-3	4***	4 0 0	One Two Three		***4 PUMP SUPPORTS
	117 - HPSI Pump B	Supports	SN 0776-15	VT-3	4***	0 4 0	One Two Three		
			CATAGORY F-A SYSTEM TOTALS		715	231 246 238 715	One Two Three	32 67 100	
N/A	Snubbers: IWF-5000 All inservice testing requirements will be performed in accordance with PVNGS Technical Specifications.								REQUEST FOR RELIEF #5

SECTION 6.0
ASME CLASS 3
EXAMINATION SUMMARY

INDEX

TABLE		EXAM CATEGORY
3-1	D-A,	Integral Attachments for Vessels, Piping, Pumps and Valves
3-2	D-B,	All Pressure Retaining Components
3-IWF	F-A,	Supports

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 3

TABLE 3-1
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
D1.10 thru D1.40	EXAMINATION CATEGORY D-A, INTEGRAL ATTACHMENTS FOR VESSELS, PIPING, PUMPS AND VALVES					ASME Class 3 Systems are Identified on the ISI Boundary Drawings Contained in Section 10.0			
	All Class 3 Systems (Except Auxiliary Feedwater)	Integrally Welded Attachments	All Lines Greater Than 4" Nominal Pipe Size	VT-3	All	100%	Each Inspection Interval	100%	Request for Relief # 4 & 5
	Auxiliary Feedwater Systems	Integrally Welded Attachments	All Lines Greater Than 1" Nominal Pipe Size	VT-3	All	100%	Each Inspection Interval	100%	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 3

TABLE 3-2
PAGE 1 OF 1

ASME ITEM NO.	ZONE•COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	EXAMINATION CATEGORY D-B, ALL PRESSURE RETAINING COMPONENTS					ASME Class 3 Systems are Identified on the ISI Boundary Drawings Contained in Section 10.0			
D2.10 D2.30 D2.50 D2.70	SYSTEM LEAKAGE TEST PRESSURE VESSELS PIPING PUMPS VALVES	Pressure Retaining Boundary	-	VT-2	-	Pressure Retaining Boundary IWA-5000 & IWD-5000	Each Inspection Period	100%	
D2.20 D2.40 D2.60 D2.80	SYSTEM HYDROSTATIC TEST PRESSURE VESSELS PIPING PUMPS VALVES	Pressure Retaining Boundary	-	VT-2	-	Pressure Retaining Boundary IWA-5000 & IWD-5000	Each Inspection Interval	100%	Request for Relief # 2

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 ASME CLASS 3

TABLE 3-IWF
PAGE 1 OF 1

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
*	EXAM CATEGORY F-A, SUPPORTS					ASME Class 3 Systems are Identified on the ISI Boundary Drawings Contained in Section 10.0			* Items not categorized. All Class 3 Supports Examined.
F1.30 & F1.40	CLASS 3 PIPING SUPPORTS SUPPORTS OTHER THAN PIPING SUPPORTS								
	All Class 3 Systems (Except Auxiliary Feedwater)	Supports	All Lines > Than 4" Nominal Pipe Size	VT-3	All	100%	Each Inspection Interval	100%	Relief Request # 4 & 5
	Auxiliary Feedwater System	Supports	All lines > Than 1" Nominal Pipe Size	VT-3	All	100%	Each Inspection Interval	100%	
N/A	Snubbers: IWF-5000 All inservice testing requirements will be performed in accordance with PVNGS Technical Specifications.								Relief Request #5

SECTION 7.0
AUGMENTED HIGH ENERGY PIPING

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1
AUGMENTED HIGH ENERGY PIPING

TABLE 2-AHE
PAGE 1 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	AUGMENTED EXAMINATIONS OF HIGH ENERGY PIPING				(*)				(*) IDENTIFIES THE NUMBER OF WELDS THAT ARE NOT ASME CLASSIFIED
AHE5.50	PIPING WELDS > 3/8" NOMINAL WALL THICKNESS FOR PIPING >NPS 4"								*100% OF ALL INTERSECTING LONGITUDINAL WELDS WILL BE EXAMINED
	CIRCUMFERENTIAL AND * LONGITUDINAL WELDS								
AHE5.51 AHE5.52	47- Main Steam SG 1 West 270° MSSS	Butt Welds	SG-206-28"	S, Vol	5(1)	13	One	100	
			SG-206-12"	S, Vol	2	0	Two	100	
			SG-206-6"	S, Vol	5	0	Three	100	
	48- Main Steam SG 1 East 90° MSSS	Butt Welds	SG-207-28"	S, Vol	5(1)	0	One	-	
			SG-207-12"	S, Vol	2	13	Two	100	
			SG-207-6"	S, Vol	5	0	Three	100	
	49- Main Steam SG 2 East 270° MSSS	Butt Welds	SG-208-28"	S, Vol	5(1)	0	One	-	
			SG-208-12"	S, Vol	2	0	Two	-	
			SG-208-6"	S, Vol	5	13	Three	100	
	50- Main Steam SG 2 West 90° MSSS	Butt Welds	SG-209-28"	S, Vol	5(1)	0	One	-	
			SG-209-12"	S, Vol	2	0	Two	-	
			SG-209-6"	S, Vol	5	13	Three	100	
	51- Atmospheric Dump No. 1	Butt Welds 12" x 0.844"	SG-59-12"	S, Vol	13	13	One	45	
			SG-70-12"	S, Vol	16	16	Two	100	
						0	Three	100	
	52- Atmospheric Dump No. 2	Butt Welds 12" x 0.844"	SG-84-12"	S, Vol	16	0	One	-	EXAMINATIONS SCHEDULED UNDER CATEGORY C-F-2
			SG-103-12"	S, Vol	13	0	Two	-	
						29	Three	100	
	53- Steam to Aux FW	Butt Weld 6" x 0.432"	SG-81-6"	S, Vol	14	10	One	36	
			SG-83-6"	S, Vol	14	9	Two	68	
						9	Three	100	
	56- Feedwater SG No. 1 MSSS	Butt Welds	SG-201-24"	S, Vol	2	5	One	63	
			SG-202-24"	S, Vol	3	2	Two	100	
			SG-224-24"	S, Vol	(2)	0	Three	100	
	57- Feedwater SG No. 2 MSSS	Butt Welds	SG-204-24"	S, Vol	2	0	One	-	
			SG-205-24"	S, Vol	3	0	Two	-	
			SG-225-24"	S, Vol	(2)	7	Three	100	

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY

UNIT 1 AUGMENTED HIGH ENERGY PIPING

TABLE 2-AHE
PAGE 2 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
	60- Downcomer Feedwater SG 1	Butt Welds	SG-200-8"	S, Vol	2(8)	9	One	64	
	MSSS	8" x 0.719"	SG-8-8"	S, Vol	4	5	Two	100	
						0	Three	100	
	61- Downcomer Feedwater SG 2	Butt Welds	SG-203-8"	S, Vol	2(8)	0	One	-	
	MSSS	8" x 0.719"	SG-11-8"	S, Vol	4	5	Two	36	
						9	Three	100	
	66- Blowndown SG 1 MSSS	Butt Welds	SG-39-6"	S, Vol	3(12)	9	One	69	
						6	Two	100	
						0	Three	100	
	67- Blowdown SG 2	Butt Welds	SG-48-6"	S, Vol	3(9)	0	One	-	
	MSSS					6	Two	50	
						6	Three	100	
AHE5.60	PIPING WELDS > 1/5" NOMINAL WALL THICKNESS FOR PIPING ≥ NPS 2 AND ≤ NPS 4								* 100% OF ALL INTERSECTING LONGITUDINAL WELDS WILL BE EXAMINED
	CIRCUMFERENTIAL AND * LONGITUDINAL WELDS								
AHE5.61	51- Atmospheric Dump No. 1	Butt Welds	SG-95-4"	S, Vol	(21)	0	One	-	
AHE5.62	Bypass UV-180	4" x 0.337"				21	Two	100	
						0	Three	100	
	52- Atmospheric Dump No. 1	Butt Welds	SG-100-4"	S, Vol	(21)	0	One	-	
	Bypass UV-171	4" x 0.337"				0	Two	-	
						21	Three	100	
AHE5.70	SOCKET WELDS	NONE							

PVNGS SECOND 10 YEAR INTERVAL EXAMINATION SUMMARY — UNIT 1 AUGMENTED HIGH ENERGY PIPING

TABLE 2-AHE
PAGE 3 OF 3

ASME ITEM NO.	ZONE-COMPONENT OR SYSTEM	IDENTIFICATION	DESCRIPTION LINE NO., OR SERIAL NO.	NDE METHOD	TOTAL ITEMS	EXAMINATION AMOUNT	INSPECTION PERIOD	RUNNING %	REMARKS AND RELIEF REQUESTS
AHE5.80	PIPE BRANCH CONNECTIONS OF BRANCH PIPING > NPS 2								
AHE5.81 AHE5.82	CIRCUMFERENTIAL AND *LONGITUDINAL WELDS								
	47- Main Steam SG 1 West 270° MSSS	Sweepolets	SG-206-28"		7	7	One	100	
						0	Two	100	
						0	Three	100	
	48- Main Steam SG 1 East 90° MSSS	Sweepolets	SG-207-28"		8	0	One	-	
					(1)	9	Two	100	
						0	Three	100	
	49- Main Steam SG 2 East 270° MSSS	Sweepolets	SG-208-28"		8	0	One	-	
					(1)	0	Two	-	
						9	Three	100	
	50- Main Steam SG 2 West 90° MSSS	Sweepolets	SG-209-28"		7	0	One	-	
						0	Two	-	
						7	Three	100	

SECTION 8.0
REQUESTS FOR RELIEF

RELIEF REQUESTS
INDEX

NUMBER	DESCRIPTION
1.	ASME Section XI 1992 Edition including 1992 Addenda
2.	Code Case N498-1
3.	Effective Dates for Repair and Replacement
4.	Insulated Attachments for Component Supports
5.	Component Support Categories and Snubbers
6.	ASME Class 2 Piping Penetrating Containment
7.	Ultrasonic Examination Requirements
8.	Steam Generator Main Steam Nozzle
9.	ASME Class 1 Pressure Boundary

RELIEF REQUEST NO. 1

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
ALL ISI PROGRAM ITEMS and COMPONENTS	1 2 3	ALL ALL ALL	ALL ALL ALL	ALL ALL ALL

CODE REQUIREMENT

The 10CFR50.55a (g) (4) (ii) states "Inservice examination of components and system pressure tests conducted during successive 120-month inspection intervals must comply with the requirements of the latest edition and addenda of the Code incorporated by reference in paragraph (b) of this section 12 months prior to the start of the 120-month inspection interval, subject to the limitations and modifications listed in paragraph (b) of this section." For PVNGS Unit 1 the effective 10CFR50.55a referenced the 1989 Edition of the ASME Code for use in development of this ISI Program.

ALTERNATE EXAMINATION

To utilize the 1992 Edition including the 1992 Addenda of the ASME Section XI Code, with exceptions noted in the enclosed Requests for Relief.

BASIS

A detailed itemized listing (provided by another utility) of the differences between code years has been previously reviewed and found to provide an acceptable level of quality and safety.

SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 2

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
ALL ISI PROGRAM ITEMS AND COMPONENTS	1	1-15	B15.11, B15.21, B15.31 B15.41,.B15.51, B15.61 B15.71	B-P
	2	2-7	C7.20, C7.40 C7.60, C7.80	C-H
	3	3-2	D2.20, D2.40 D2.60, D2.80	D-B

CODE REQUIREMENT

The 1992 Edition including 1992 Addenda of the ASME Section XI code requires the performance of a System Hydrostatic Test during the end of the 10 Year Inspection interval. The boundaries, systems, and components are identified in the referenced ISI Program Tables.

ALTERNATE EXAMINATION

Perform a System Leakage Test for Class 1 and a System Pressure Test for Class 2 and 3 in accordance with the requirements of N498-1.

BASIS

Code Case N498 includes all ASME Class 1 and 2 systems and has been accepted by the USNRC in Regulatory Guide 1.147. The N498-1 Code Case is essentially identical to the accepted Code Case, with the exception that it includes ASME Class 3 Systems. Therefore the basis for acceptance would be the same.

SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 3

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
ALL ISI PROGRAM ITEMS and COMPONENTS	1 2 3	ALL ALL ALL	ALL ALL ALL	ALL ALL ALL

CODE REQUIREMENT

The 10CFR50.55a (g) (4) (ii) states "Inservice examination of components and system pressure tests conducted during successive 120-month inspection intervals must comply with the requirements of the latest edition and addenda of the Code incorporated by reference in paragraph (b) of this section 12 months prior to the start of the 120-month inspection interval, subject to the limitations and modifications listed in paragraph (b) of this section." For PVNGS Unit 1 the effective 10CFR50.55a referenced the 1989 Edition of the ASME Code for use in development of this ISI Program; this would include the repair and replacements of code items. The regulation would imply that each of the PVNGS Units would be under the 1st 10 Year Interval repair and replacement requirements, until the start date of the 2nd 10 Year Interval.

ALTERNATE EXAMINATION

Utilize the 1992 Edition including the 1992 Addenda of the ASME Section XI Code in its entirety to perform repairs and replacements in all three PVNGS Units starting with the planned date for the first unit (Unit 2) to use the 2nd 10 Year ISI Program.

BASIS

A detailed itemized listing (provided by another utility) of the differences between code years has been previously reviewed and found to provide an acceptable level of quality and safety.

SCHEDULE FOR IMPLEMENTATION

Implementation scheduled for 3-18-98; the 2nd 10 Year Inspection Interval start date for Unit 2.

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 4

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
Component Supports	1 2 3	1-IWF 2-IWF 3-IWF	F1.10, F1.40 F1.20, F1.40 F1.30, F1.40	F-A F-A F-A

CODE REQUIREMENT

The component support visual examination requirements of the 1992 Edition including the 1992 Addenda exempts only mechanical connections of nonintegral supports buried within the component insulation, provided the support either carries the weight of the component or serves as a structural restraint in compression.

ALTERNATE EXAMINATION

The mechanical and welded attachments will be visually examined to the extent practical. The insulation will be removed from around the support attachment for further examinations whenever an abnormality is detected.

BASIS

The visual examinations of the mechanical or welded attachments will be performed to the extent practical. The insulation will not be removed to perform these examinations. It has been our experience that any loss of support capability or adequate restraint can usually be detected through the examination of uninsulated portions of the support, the accessible portions of the attachments through the insulation gaps, and/or surrounding insulation. This Request for Relief was accepted for the 1st 10 Year Inspection Interval in the USNRC letter dated October 21, 1987, from E. A. Licitra, NRC, to E.E. Van Brunt, Jr., "Inservice Inspection Programs Palo Verde, Unit 1, 2, 3".

SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 5

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
Component Supports	1 2 3	1-IWF 2-IWF 3-IWF	F1.10, F1.40 F1.20, F1.40 F1.30, F1.40	F-A F-A F-A

CODE REQUIREMENT

The component support visual examination requirements of the 1992 Edition including the 1992 Addenda requires that the supports be categorized to identify support types and references snubber inservice examinations and tests.

ALTERNATE EXAMINATION

Essentially 100% of the component supports, including snubbers, on the nonexempt systems/lines will be scheduled for visual examinations. Snubber examinations and tests will continue to be performed in accordance with the PVNGS Technical Specifications. These associated examinations and tests will be performed by trained maintenance personnel.

BASIS

The visual examination of component supports, including snubbers, is recognized as a key element in the ISI Program where additional examinations are warranted. Snubbers on nonexempt lines will therefore be examined by two separate groups. The ISI Program examinations being performed by certified VT3 personnel and Maintenance performing the Technical Specification/ANSI OM Part 4 examinations and tests utilizing trained personnel. The ISI Program examination sequence will follow the 1st 10 Year Interval to the extent practical.

SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 6

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
Piping Systems Penetrating Containment	2	2-7	C7.10, C7.20 C7.30, C7.40 C7.50, C7.60 C7.70, C7.80	C-H

CODE REQUIREMENT

The System Leakage Test and System Hydrostatic Test (note Request for Relief No. 2) requirements of the 1992 Edition including the 1992 Addenda include all ASME Class 2 piping.

ALTERNATE EXAMINATION

Utilize 10CRF50 Appendix J Leak Rate Testing requirements and results to satisfy the ASME Section XI requirements. This would apply to the following mechanical/piping penetrations:

Penetration No:	System:	Line No:	P&ID No:	System ASME Classification
6	DW	055	DWP-002	
7	FP	096	FPP-006	
9	RD	259	RDP-001	
21	SI	088	SIP-002	2
22	SI	130	SIP-002	2
23	SI	007	SIP-001	2
24	SI	030	SIP001	2
25A/B	HC	008	HCP-001	
28	SI	149	SIP-001	2
29	GA	009	GAP-001	
30	GA	002	GAP-001	
31	IA	069	IAP-001	
32A	HC	007	HCP-001	
33	NC	135	NCP-003	
34	NC	137	NCP-003	
35	HP	001	HPP-001	2
36	HP	002	HPP-001	2
38	HP	003	HPP-001	2
39	HP	004	HPP-001	2
42A	SS	004	SSP-001	2
42B	SS	007	SSP-001	2
42C	SS	001	SSP-001	2

RELIEF REQUEST NO. 6 Cont'd

Penetration No:	System:	Line No:	P&ID No:	System ASME Classification
43	CH	122	SSP-001	2
44	CH	283	CHP-003	
45	CH	275	CHP-003	
50	PC	073	PCP-001	
51	PC	072	PCP-001	
52	GR	001	GRP-001	
53	FUEL TRANSFER TUBE		PCP-001	
54A	HC	006	HCP-001	
55A	HC	004	HCP-001	
56	CP	005	CPP-001	
57	CP	007	CPP-001	
58	CL	001	CLP-001	
59	IA	080	IAP-001	
60	WC	039	WCP-001	
61	WC	042	WCP-001	
62A	HC	005	HCP-001	
62B	CL	009	CLP-001	
62C	CL	008	CLP-001	
67	SI	011	SIP-002	2
77	SI	106	SIP-002	2
78	CP	006	CPP-001	
79	CP	008	CPP-001	

BASIS

The applicable containment piping penetrations are subjected to 10 CFR 50, Appendix J testing. A similar Request for Relief was accepted for the 1st 10 Year Inspection Interval in the USNRC letter dated April 12, 1996, from W. H. Bateman to W. L. Stewart, "Evaluation of the First Ten Year Interval Inspection Program Plan, Revision 1, and Associated Request for Relief for Palo Verde Nuclear Generating Station, Units 1, 2, and 3." This Request for Relief has been updated to reflect ASME Class 2 piping systems and Code Case N498-1 for the System Hydrostatic Test requirements.

SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 7

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
ALL ISI PROGRAM ITEMS and COMPONENTS REQUIRING VOLUMETRIC (ULTRASONIC) EXAMINATIONS	1	NA	NA	NA
	2	NA	NA	NA

CODE REQUIREMENT

The 1992 Edition including 1992 Addenda of the ASME Section XI Code requires ultrasonic examinations to be performed in accordance with Mandatory Appendix I.

ALTERNATE EXAMINATION

Utilize the 1989 Edition of the ASME Section XI Code to perform all ultrasonic examinations. The Personnel certification and qualification requirements (including Appendix VII) and the evaluation criteria of the 1992 Edition including 1992 Addenda will be utilized.

BASIS

At this time, it is an undue burden to perform ultrasonic examinations with the additional requirements of the Appendix VIII. In addition, this position may change as generic requirements or rule making is made to apply Appendix VIII requirements.

SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 8

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
Steam Generator Main Steam Nozzle Inner Radius Sections	2	2-2	C2.22	C-B

CODE REQUIREMENT

The 1992 Edition including 1992 Addenda of the ASME Section XI Code requires volumetric examination of the nozzle inside radius area.

ALTERNATE EXAMINATION

A surface examination will be performed on the nozzles selected for examination.

BASIS

Due to the design of the PVNGS Steam Generator Main Steam Nozzles the volumetric examination is not practical. The nozzles have a protrusion into the steam generator. This area is accessible during outages through the secondary side manway. A copy of the nozzle drawing is attached that illustrated the geometric conditions.

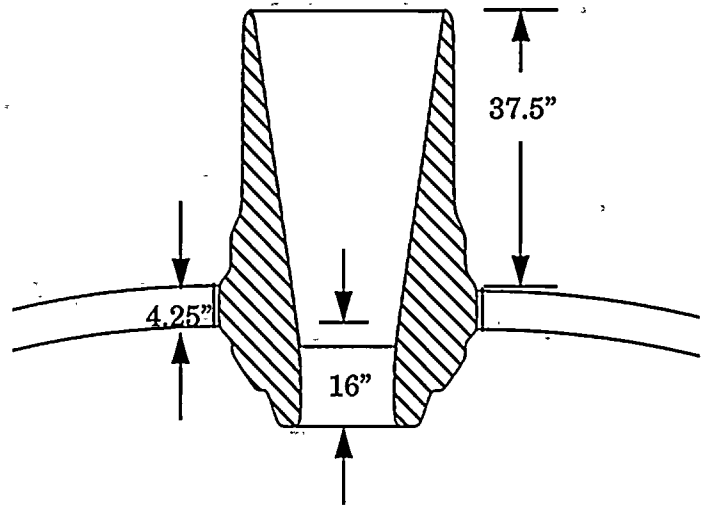
SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

RELIEF REQUEST NO. 8 Cont'd



RELIEF REQUEST NO. 9

COMPONENT OR ITEM	CODE CLASS	PROGRAM TABLE	CODE ITEM	EXAM CATEGORY
ASME Class 1 ISI PROGRAM ITEMS AND COMPONENTS	1	1-15	B15.11, B15.21, B15.31, B15.41 B15.51,.B15.61; B15.71	B-P

CODE REQUIREMENT

The 1992 Edition including the 1992 Addenda of the ASME Section XI code and Code Case N498 requires the boundary for the end of interval pressure test be extended to all Class 1 boundaries. This includes the small portion of pipe between two Class 1 isolation valves; or between a valve and blind flange.

8-13

ALTERNATE EXAMINATION

The visual examination performed during the System Leakage Test will be extended to include the small portion of pipe and downstream valve or blind flange. The first valve will not be opened. A list of these areas follows:

System:	Line No:	P&ID No:	Valve Description::	System:	Line No:	P&ID No:	Valve Description
CH	CH026	CHP001	1PCHNV848	RC	RC200	RCP002	1PRCNV900
CH	CH024	CHP001	1PCHNV849	RC	RC203	RCP002	1PRCNV903
CH	CH022	CHP001	1PCHNV859	RC	RC024	RCP002	1PRCNVR30
CH	CH020	CHP001	1PCHNV860	RC	RC024	RCP002	1PRCNV753
CH	CH026	CHP001	1PRCNV752	RC	RC022	RCP002	1PRCNV754
CH	CH520	CHP001	1PCHEVM41	RC	RC112	RCP002	1PRCNV869
CH	CH001	CHP001	1PCHEV853	RC	RC106	RCP002	1PRCNV868
RC	RC091	CHP001	1PRCEV061	RC	RC118	RCP002	1PRCNV871
RC	RC091	CHP001	1PRCEV063	RC	RC124	RCP002	1PRCNV870
RC	RC089	RCP001	1PRCEV332	SI	SI207	SIP002	1PSIEV882
RC	RC096	RCP001	1PRCEV333	SI	SI217	SIP002	1PSIEV974
RC	RC062	RCP001	1PRCEV001	SI	SI223	SIP002	1PSIEV883
RC	RC017	RCP001	1PRCEV062	SI	SI240	SIP002	1PSIAV892
RC	RC099	RCP001	1PRCEV057	SI	SI248	SIP002	1PSIAV902

RELIEF REQUEST NO. 9 Cont'd

System:	Line No:	P&ID No:	Valve Description:	System:	Line No:	P&ID No:	Valve Description
CH	CH005	CHP001	1PCHEV939	SI	SI248	SIP002	1PSIAV055
CH	CH005	CHP001	1PCHEVM42	SI	SI248	SIP002	1PSIAV906
CH	CH005	CHP001	1PCHEV096	SI	SI156	SIP002	1PSIAV880
RC	RC098	RCP001	1PRCEV056	SI	SI156	SIP002	1PSIAV804
RC	RC098	RCP001	1PRCEV060	SI	SI179	SIP002	1PSIEV881
RC	RC069	RCP001	1PRCEV214	SI	SI175	SIP002	1PSIEV803
RC	RC070	RCP001	1PRCEV215	SI	SI193	SIP002	1PSIBV879
RC	RC060	RCP001	1PRCEV334	SI	SI225	SIP002	1PSIEV975
RC	RC018	RCP001	1PRCEV058	SI	SI203	SIP002	1PSIEV064
RC	RC179	RCP001	1PRCEV392	SI	SI199	SIP002	1PSIBV057
RC	RC058	RCP001	1PRCEV335	SI	SI248	SIP002	1PSIAV056
RC	RC020	RCP002	1PRCNV755	SI	SI221	SIP002	1PSIEV063
RC	RC202	RCP002	1PRCNV902	SI	SI199	SIP002	1PSIBV907
RC	RC201	RCP002	1PRCNV901	SI	SI240	SIP002	1PSIAV801

BASIS

The normal reactor pressure boundary is examined during each refueling outage and no pressure boundary leakage has been noted. Currently these valves are independently verified closed prior to plant start-up and are not manipulated during any procedurally guided plant evolutions while at power. Since these valves are not cycled at NOP/NOT, the opportunity to experience an incident where a valve will not reseat is increased. This can be due to several mechanisms, foreign material moving into the seating surface, stem failure while opening or closing, packing shifting, or valve binding. The opportunity for a packing leak will also present itself, with the added challenge of normal RCS pressure behind it. Cycling of these valves and the resulting compensatory actions due to a leak can easily result in leakage and a forced unit shutdown or cooldown. Current operating procedures require these valves to remain closed with no exceptions. Valves that need to be operated are specifically identified to manipulate only in mode 5 (to prevent RCP seal damage).

SCHEDULE FOR IMPLEMENTATION

2nd 10 Year Inspection Interval

APPROVAL

Pending USNRC review and acceptance.

SECTION 9.0
ISI
BOUNDARY DRAWINGS

BOUNDARY DRAWING INDEX

Drawing No.	Revision	Drawing Title	Code Class
01-M-AFP-001	28	Auxiliary - Feedwater System	2 & 3
01-M-CHP-001	17	Chemical and Volume Control System	1 & 2
01-M-CHP-002	34	Chemical and Volume Control System	2 & 3
01-M-CHP-003	32	Chemical and Volume Control System	2
01-M-CLP-001	6	Containment Integrated and Local Leak Rate Test System	2
01-M-CPP-001	18	Containment Purge System	2
01-M-CTP-001	18	Condensate Purge System	2
01-M-DFP-001	7	Diesel Fuel Oil & Transfer System	3
01-M-DGP-001	30	Diesel Generator System	3
01-M-DWP-002	21	Demineralized Water System	2
01-M-ECP-001	27	Essential Chilled Water System	3
01-M-EWP-001	23	Essential Cooling Water System	3
01-M-FPP-006	11	Fire Protection System	2
01-M-GAP-001	14	Service Gas Supply System (N_2 and H_2)	2 & 3
01-N-GRP-001	6	Gaseous Radwaste System	2
01-M-HCP-001	12	HVAC Containment Building	2
01-M-HPP-001	13	Containment Hydrogen Control	2
01-M-IAP-002	19	Instrument and Service Air System	2
01-M-IAP-003	50	Instrument and Service Air System	2
01-M-NCP-002	9	Nuclear Cooling Water System	3
01-M-NCP-003	8	Nuclear Cooling Water System	2
01-M-PCP--001	16	Fuel Pool Cooling & Cleanup System	2 & 3
01-M-RCP-001	24	Reactor Coolant System	1 & 2
01-M-RCP-002	9	Reactor Coolant System	1 & 2
01-M-RDP-001	9	Radioactive Waste Drain System	2
01-M-SGP-001	38	Main Steam System	2 & 3
01-M-SGP-002	26	Main Steam System	2
01-M-SIP-001	21	Safety Injection and Shutdown Cooling System	2
01-M-SIP-002	19	Safety Injection and Shutdown Cooling System	1 & 2
01-M-SIP-003	7	Safety Injection and Shutdown Cooling System	2
01-M-SPP-001	25	Essential Spray Pond System	3
01-M-SPP-002	11	Essential Spray Pond System	3
01-N-SSP-001	20	Nuclear Sampling System	2
01-M-WCP-001	12	Normal Chilled Water System	2
13-M-ZZP-001	16	Symbols and Legend	N/A
13-M-ZZP-002	16	Symbols and Legend	N/A