



Palo Verde Nuclear  
Generating Station

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10CFR50.55a

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102-04420-CDM/SAB/RKB  
March 20, 2000

U.S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Mail Station P1-37  
Washington, DC 20555-0001

Dear Sirs:

- Reference:
1. APS Letter No. 102-04096-WEI/AKK/MLG, dated March 17, 1998, from W. E. Ide, APS, to NRC, "Unit 2 First 10-Year Inservice Inspection Program Revision."
  2. APS Letter No. 102-04312-WEI/SAB/RKB, dated July 16, 1999, from W.E. Ide, APS, to NRC, "Unit 1 First 10-Year Interval Inservice Inspection (ISI) Program – Revision 2."
  3. APS Letter No. 102-04354-CDM/SAB/RKB, dated October 6, 1999, from C. D. Mauldin, APS, to NRC, "Response to Unit 2 First 10-Year Interval Inservice Inspection Program – Request for Additional Information (RAI)."

**Subject: Palo Verde Nuclear Generating Station (PVNGS)  
Unit 2  
Docket No. STN 50-529  
Unit 2 First 10-Year Interval Inservice Inspection Program -  
Revision 3**

In reference 1 above, pursuant to the requirements of 10 CFR 50.55a(g)(4) and 10 CFR 50.55a(g)(5)(i), Arizona Public Service Company (APS) submitted revision 2 to the PVNGS Unit 2 first 10-year interval Inservice Inspection (ISI) program. The revision documented the final status of the PVNGS Unit 2 first interval ISI program and was accompanied by several new or revised requests for relief.

In preparation of the final revision of the Unit 1 first 10-year ISI program, reference 2, APS identified minor changes to the Unit 2 first interval ISI program that were not included in the revision 2 submittal. Those changes are provided in enclosure 1.

APS also identified the need for an additional request for relief that was not included in the Unit 2 revision 2 submittal. Pursuant to the requirements of 10 CFR 50.55a(g)(5)(iv), APS hereby submits Relief Request No. 16 for the Unit 2 first 10-year interval ISI program.

A047

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Units 2 First Interval ISI Program - Revision 3  
Page 2

Relief Request No. 16, provided in enclosure 2, requests relief from the IWB-5210 and Table IWB-2500-1 requirements to perform VT-2 examinations of the reactor vessel at no less than normal operating pressure. This examination is impractical due to extreme temperatures and high radiation fields in certain areas requiring personnel occupancy in order to complete the exam. This relief request is identical to Relief Request No. 16 for the Unit 1 first 10-year interval ISI program submitted in reference 2, above.

Enclosure 3 contains the final summary report of the ISI examinations performed during the first 10-year inspection interval at PVNGS Unit 2 which began September 16, 1986 and was completed March 17, 1998. This report includes applicable examinations conducted after the seventh refueling outage and during the eighth refueling outage. Exams performed after the end of the interval included closure head studs and nuts, pressurizer longitudinal seam welds, valve body weld (UV654), integrally welded attachments, and the reactor head vent system. These exams were performed utilizing revised Relief Request Nos. 14 (reference 1) and 15 (reference 3), which are currently pending NRC Staff approval.

In summary, APS requests NRC Staff approval of Relief Request No. 16 for the first 10-year interval ISI program for Unit 2. In addition, APS is providing the Staff with Revision 3 pages and the final summary report for the Unit 2 first 10-year interval ISI program.

No commitments are being made to the NRC by this letter.

Should you have any questions, please contact Scott A. Bauer at (623) 393-5978.

Sincerely,



CDM/SAB/RKB/

Enclosures

cc: E. W. Merschoff [Region IV Administrator]  
M. B. Fields [NRR Project Manager]  
J. H. Moorman [Sr. Resident Inspector]

**ENCLOSURE 1**

**FIRST 10-YEAR INTERVAL**

**ISI PROGRAM – REVISION 3**

**ASME SECTION XI**

**FOR PALO VERDE NUCLEAR GENERATING STATION**


**UNIT 2**

INSERVICE INSPECTION  
PROGRAM SUMMARY MANUAL

PALO VERDE  
NUCLEAR GENERATING STATION  
UNIT 2

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

PVNGS  
4 miles south  
Wintersburg, AZ 85343

PREPARED BY:  DATE: 8-13-99

REVIEWED BY:  DATE: 8-24-99

ANII CONCURRENCE:  DATE: 8-26-99

APPROVAL BY  
ENGINEERING MANAGER:  DATE: 9-3-99

COMMERCIAL  
SERVICE DATE: 09/19/86

PROGRAM NO: ISI-2  
REVISION NO: 3  
Date: 8-13-99

## RECORD OF REVISIONS

<u>PAGE NUMBER</u>	<u>REVISION</u>
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5-1 and 5-2	0
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6-1 and 6-2		0
Table	3-1 page 1 of 2	0
	3-1 page 2 of 2	2
	3-IWF	2
7-1		0
Table	2-AHE page 1 and 2 of 3	2
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8-1		0
Table	2-CFR page 1 thru 3 of 6	1
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	2-CFR page 5 and 6 of 6	1
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9-20 thru 9-30		3
10-1		0
10-2		1
11-1 thru 11-4		1
Zone Drawings		(see Dwg)

### 3.3 ACCESSIBILITY

The preservice examinations were performed with examination techniques, both automated and manual, similar to those planned for use during Inservice Inspection. The examination limitations noted during the preservice examinations were documented in requests for relief submitted with the preservice examination program. There have been no additional code limitations noted during the formulation of this program other than those contained in the Request for Relief Section.

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.

### 3.4 EXAMINATION TECHNIQUES

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 (Structural Condition)
	VT - 4 (Operability)
S - Surface	PT - Liquid Penetrant
	MT - Magnetic Particle
	ET - Eddy Current
Vol - Volumetric	UT - Ultrasonic
	RT - Radiography

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

The Inservice Inspection Program was prepared in accordance with Program B of ASME Section XI. The initial 10-year inspection interval and corresponding inspection periods are defined below:

First Inspection Interval:	9-19-86	to	3-17-97*
Period One :	9-19-86	to	7-17-90
Period Two :	7-18-90	to	11-17-93
Period Three:	11-18-93	to	3-17-97

These dates have been modified to a common interval start date for all three PVNGS units. This is in accordance with NRC letter dated October 21, 1987, from E.A. Licitra, NRC, to E.E. Van Brunt, Jr., ANPP, "Inservice Inspection Programs Palo Verde, Units 1, 2, and 3" to allow the three units to be under the same ASME Section XI edition and addenda. 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.

\* The first inspection interval has been extended 1 year to 3-17-98 as allowed by IWA-2400(c).

### 3.6 EXAMINATION CATEGORIES

The examination categories of ASME Section XI were utilized to develop this program for all systems, components, and supports. The Program 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 examination categories are identified in Section 6.0.

### 3.7 EVALUATION AND REPAIR

The evaluation of all examination results will be performed in accordance with ASME Section XI Articles IWA and IWB-3000. In addition, all applicable repairs and replacements will be performed in accordance with ASME Section XI Articles IWA, IWB, IWC, IWD, and IWF-4000 and 7000. Pressure tests will be performed only on welded repairs or replacements, in accordance with IWA-4000 and 5000. Both the evaluations and repair or replacement will be performed in accordance with the 1980 Edition through and including the Winter 1981 Addenda of ASME Section XI, or later editions and addenda of ASME Section XI referenced in 10 CFR 50. 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

System pressure tests will be performed in accordance with ASME Section XI and as identified 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, 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

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

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 limitations to the examination will be included and documented in the examination report prepared in accordance with ASME Section XI.



# APS PALO VERDE NUCLEAR GENERATING STATION 10 YEAR INTERVAL - EXAMINATION SUMMARY

## 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
320	<u>CONTINUED</u>								
	54-Feedwater SG No. 1 Inside Containment	Attachments	SG-002	S	1	0 0 1	One Two Three	- - 100	
	55-Feedwater SG No. 2 Inside Containment	Attachments	SG-005	S	2	1 0 1	One Two Three	50 50 100	
	62-Auxiliary Feedwater SG 1	Attachments	AF-018	S	1	0 1 0	One Two Three	- 100 100	
	64-Blowdown SG 1 Inside Containment	Attachments	SG-39 SG-53	S	7	3 1 3	One Two Three	43 57 100	
	65-Blowdown SG 2 Inside Containment	Attachments	SG-48	S	8	2 3 3	One Two Three	25 63 100	
	71-LPSI Pump Room A Discharge	Attachments	SI-87	S	1	1	One	-	SI SYSTEM %'S COMBINED
	76-Containment Spray Pump Room A Suction	Attachments	SI-9	S	1	1 0	One Three	-	
	77-Containment Spray Pump Room A Discharge	Attachments	SI-79	S	1	1	Three	-	
	80-Containment Spray Pump Room B Discharge	Attachments	SI-119	S	1	1	Three	-	
	83-Shutdown Cooling Heat Exchanger Room A	Attachments	SI-70 SI-87 SI-90	S	4	2 2	Two Three	-	
	86-Shutdown Cooling Heat Exchanger Room B	Attachments	SI-72	S	2	2	Three	-	
	88-East Wrap	Attachments	SI-72	S	1	1	One	-	
	89-East Wrap	Attachments	SI-194	S	1	1	One	-	

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# APS PALO VERDE NUCLEAR GENERATING STATION 10 YEAR INTERVAL - EXAMINATION SUMMARY

## 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
320	<u>CONTINUED</u>								
	91-West Wrap	Attachments	SI-70	S	4	4	One	-	
	92-West Wrap	Attachments	SI-239 SI-241	S	3	1 2	One Two	- -	
	93-West Wrap	Attachments	SI-89	S	1	1	Two	-	
	94-A Train Misc. Pipe Chases & 88' Pipe Tunnel	Attachments	SI-70	S	2	2	Two	-	
	95-B Train Misc. Pipe Chases & 88' Pipe Tunnel	Attachments	SI-194	S	1	1	Three	-	
	96-Containment LPSI Header to Loop 1A	Attachments	SI-202	S	2	2	Three	-	
	99-Containment LPSI Header to Loop 2B	Attachments	SI-174	S	1	1	Two	-	
	100-Containment LPSI Train A Suction	Attachments	SI-7 SI-369	S	2	1 1	One Two	- -	
	101-Containment LPSI Train B Suction	Attachments	SI-30	S	1	1	Three	-	
	Total Safety Injection			S	30	10 9 11	One Two Three	33 63 100	
330	<u>PUMPS</u> <u>INTEGRALLY WELDED</u> <u>ATTACHMENTS</u>								
	72-LPSI Pump A	Attachment Lugs	SN 0876-40	S	3	2 1	One Two Three	66 100 100	
	75-LPSI Pump B	Attachment Lugs	SN 0876-41	S	3	0 1 2	One Two Three	- 33 100	
	78-Containment Spray Pump A	Attachment Lugs	SN 0876-42	S	3	2 1 0	One Two Three	66 100 100	

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RELIEF REQUEST  
INDEX

<u>NUMBER</u>	<u>DESCRIPTION</u>
1.	Hydraulic and Mechanical Snubbers will be tested in accordance with PVNGS Technical Specifications.
2.	Withdrawn
3.	Insulation will not be removed for visual examinations or welded or mechanical attachments.
4.	Level III Personnel will be recertified by examination every 5 years.
5.	Withdrawn
6.	Withdrawn
7.	Class 2 and 3 Systems Pressure Test (revised)
8.	Withdrawn
9.	Steam Generator Handhole Pressure Test
10.	Main Steam Nozzle Volumetric Examination
11.	Code Case N498-1
12.	Class 1 Pressure Test Boundary
13.	Reactor Vessel Shell and Head Coverage
14.	Misc. Code Limited Examinations
15.	Misc. Pressure Testing Limitations (revised)
16.	Restricted Access Under Reactor Vessel For VT-2 Examination

**ENCLOSURE 2**

**ASME SECTION XI RELIEF REQUEST NO. 16**

**TO THE FIRST 10-YEAR ISI INTERVAL**

**FOR THE PALO VERDE NUCLEAR GENERATING STATION**

**UNIT 2**

## Relief Request No. 16

### Restricted Access under the Reactor Vessel for VT-2 Exam

<b>Code Class</b>	1
<b>Code Reference</b>	ASME Section XI, Division 1, 1980 Edition, Winter 1981 Addenda, IWB-5210 and Table IWB-2500-1
<b>Examination Category</b>	B-P
<b>Item Numbers</b>	B15.10 and B15.11
<b>Component Description</b>	Reactor Vessel
<b>PVNGS Units</b>	2

**Requirement** IWB-5210 and Table IWB-2500-1 of ASME Section XI, require that the reactor vessel [Category B-P, Items B15.10 and B15.11] be VT-2 examined at a test pressure not less than the nominal operating pressure associated with 100 percent rated reactor power, to identify leakage.

**Alternate Testing** PVNGS will conduct VT-2 examinations on all portions of the reactor vessel, which are accessible during Mode 3 without endangering personnel from undue heat or radiation exposure.

However, in lieu of performing VT-2 visual exams in areas that are hazardous to personnel (i.e. under the reactor vessel), PVNGS will monitor for reactor vessel leakage using leak detection methods provided in the design of the plant.

**Basis For Relief** Pursuant to 10 CFR 50.55a (g)(5)(iv), relief is requested on the basis that conformance with the code requirement is impractical. Specifically, relief is requested from the requirement to visually inspect the entire reactor vessel while pressurized to the pressure associated with 100 percent rated reactor power based on design limitations which create personnel hazards in certain areas required to be examined.

The requirement to VT-2 examine the reactor vessel is to ensure that the vessel has been reassembled correctly and that no leakage is present. Because the walls of the reactor vessel are essentially vertical, the code allows the examination to be limited to the lowest elevation

Unit 2 First Interval ISI Program  
Relief Request No. 16  
(continued)

Basis for  
Relief  
(Continued)

where leakage will accumulate [IWA-5242(a)]. In addition the code requires that the surrounding areas, including floor areas, be inspected for evidence of leakage [IWA-5242(b)].

PVNGS cannot comply with the code requirements to perform this inspection in Mode 3 because of high area temperatures and high radiation areas.

The exams require personnel to access areas where radiation fields are between 2 to 12 Rem/hour.

Accessing the bottom of the reactor vessel to assess accumulated leakage while the system is depressurized is physically possible. However, PVNGS is constructed in such a way that reactor vessel leakage which would accumulate at the bottom of the insulation around the vessel or on the floor cannot be distinguished from leakage from other sources such as leakage from the pool seals.

While direct visual examination may detect gross leakage, more sensitive methods of detecting leakage from the reactor vessel are available, as discussed below, which do not endanger plant personnel.

Additional  
Information

Reactor coolant system (RCS) pressure boundary leakage is monitored by the control room staff in several different ways:

1. Monitoring of the space between the double O-ring seal on the reactor vessel closure head.
2. Containment atmosphere particulate radioactivity monitoring.
3. Containment atmosphere gaseous radioactivity monitoring.
4. Containment relative humidity monitoring.
5. Containment sump level rate of change and discharge monitoring.
6. RCS water inventory balance measurements.

Technical Specification 3.4.14, RCS Operation Leakage, allows for only 1 gpm unidentified leakage and no pressure boundary leakage. The first four methods above, provide continuous monitoring with alarms. Sump levels are monitored every hour and the RCS water inventory balance is performed every three days. If greater than 1 gpm leakage is

Unit 2 First Interval ISI Program  
Relief Request No. 16  
(continued)

Additional  
Information  
(Continued)

detected, the leakage must be reduced to within limits within four hours or the plant must be placed in Mode 5 within 36 hours.

PVNGS believes that the RCS leakage monitoring performed by the control room staff satisfies the requirement for detection of RCS pressure boundary leakage from the reactor vessel. Performing a VT-2 exam on the bottom of the reactor vessel would not provide better information than is possible by other means and does not warrant the risk of injury to plant personnel from extreme heat and high radiation exposure.

Approval

Relief is requested in accordance with 10 CFR 50.55a (g)(5)(iv). This examination is impractical due to extreme temperatures and very high radiation in certain areas requiring personnel occupancy in order to complete this exam.

References

1. ASME Section XI, Rules for Inspection and Testing of Components of Light Water Cooled Plants, 1980 Edition, Winter 1981 Addenda.

**ENCLOSURE 3**

**ASME SECTION XI**

**FIRST 10-YEAR INTERVAL**

**INSERVICE INSPECTION PROGRAM**

**FINAL EXAMINATION SUMMARY**

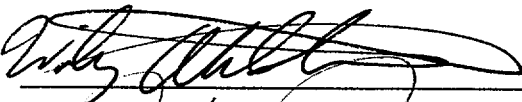
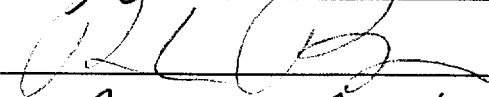

**FOR PALO VERDE NUCLEAR GENERATING STATION**

**UNIT 2**



PALO VERDE NUCLEAR GENERATING STATION  
UNIT 2 INSERVICE INSPECTION  
FIRST INTERVAL SUMMARY REPORT

ARIZONA PUBLIC SERVICE  
5801 S. WINTERSBURG ROAD  
TONOPAH, AZ 85354

PREPARED BY:  DATE: 8-3-99  
REVIEWED BY:  DATE: 8-3-99  
APPROVED BY:  DATE: 8/11/99

COMMERCIAL SERVICE DATE: 9/19/86

REPORT DATE: 7-31-99

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1.0 INTRODUCTION

2.0 EXAMINATION SUMMARY

3.0 EXAMINATION TECHNIQUES

4.0 ACCESSIBILITY

5.0 PERSONNEL

6.0 EQUIPMENT AND MATERIALS

7.0 REPAIRS AND REPLACEMENTS

APPENDIX A - Inservice Inspection Summary Report

APPENDIX B - Inservice Inspection Code Limitations

APPENDIX C - form NIS-1

# UNIT 2 INSERVICE INSPECTION REPORT

## 1.0 Introduction

This report is a summary of the Inservice Inspection examinations performed during the first inspection interval at Palo Verde Nuclear Generating Station (PVNGS) Unit 2. This report includes applicable examinations conducted after the seventh refueling outage and during the eighth refueling outage. This is the final summary for Interval 1, which began September 19, 1986 and was completed March 17, 1998. Palo Verde Unit 2 began commercial operation on September 19, 1986. Exams performed after the end of the interval were completed utilizing Relief Requests 14 and 15.

This report identifies the components examined, the examination methods used, the examination report numbers, and summarizes the examination results for each of the following categories:

1. ASME Section XI, Class 1 and 2 pressure retaining components and their supports,
2. Augmented High Energy Piping systems in accordance with PVNGS UFSAR Section 6.6.8, and
3. Augmented examinations of Class 2 Safety Injection Piping systems in accordance with 10CFR50.55a.

This report is a compilation of the all interval 1 refueling outages. All of the examination report numbers are listed in Appendix A. Exams performed since the seventh refueling and applicable examinations performed during the eighth refueling for the first interval are numbered with 97-2XXX , 98-2XXX or 99-2XXX and are in bold print. These examinations are documented in Appendix A on pages A10, A14, A20, A24, A25, A35, A36, A40 and A52.

## 2.0 Examination Summary

The evaluation of the results from the ISI examinations indicated that the integrity of the systems had been maintained. All discrepancies are listed in Section 7 (Repairs & Replacements).

Various non-rejectable indications were detected during the performance of examinations. These indications were recorded, and are maintained on file.

### 3.0 Examination Techniques

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

VT-Visual	VT-1	General Condition
	VT-2	Leakage
	VT-3	Structural Condition
	VT-4	Operability
S-Surface	PT	Liquid Penetrant
	MT	Magnetic Particle
	ET	Eddy Current
VOL-Volumetric	UT	Ultrasonic
	RT	Radiographic

All of the nondestructive examinations were performed using specific techniques and procedures that are indicated in ASME Section XI, or alternative examinations that are demonstrated to be equivalent or superior to those identified.

### 4.0 Accessibility

All items were examined to the extent practical. Any code limitations encountered during the examination are documented in Appendix B.

### 5.0 Personnel

All nondestructive examinations were performed by Arizona Public Service Company, MQS, Lambert, MacGill, Thomas, Inc. (LMT), or Wesdyne personnel. All personnel were certified in accordance with programs written to comply with the applicable requirements of ASME Section XI. Copies of all certifications are maintained on file. Hartford Steam Boiler Inspection and Insurance Company provided the Authorized Nuclear Inservice Inspector.

## **6.0 Equipment and Materials**

The equipment and materials utilized were certified to the requirements of ASME Section XI. Copies of all certifications are maintained on file.

## **7.0 Repairs and Replacements**

The repairs and replacements performed as a result of the Inservice Examinations were as follows:

NONE FOUND

APPENDIX A

INSERVICE INSPECTION  
SUMMARY REPORT

## APPENDIX A

### Definition of Terms

The column headings for the tables on the following pages are defined below:

**ASME Item No:** The ASME Section XI Category/Item Numbers are listed in the Code, Subsections IWB and IWC. The item number prefixes are defined below:

AHE - Augmented high energy systems piping  
B - ASME Class 1 systems  
BFLYWH - Reactor coolant pump flywheels  
BIWF - ASME Class 1 supports  
C - ASME Class 2 systems  
CIWF - ASME Class 2 supports  
FR - 10 CFR 50 augmented examinations

**Zone No:** Area designation per PVNGS design

**Comp/Sys:** Component or system descriptor

**Insp Per:** Inspection period

**Reqd:** Number of items required to be completed in the period

**Item ID:** Item identification per ISI program/zone drawings

**Reports (VOL):** Volumetric exam report number

**(SURF):** Surface exam report number

**(VIS):** Visual exam report number

**Remarks:** Re-exam or replacement remarks indicate acceptable examination results

### Definition of terms continued

ADV:	Atmospheric Dump Valve
Aux FW:	Auxiliary Feedwater
Atmos Dump:	Atmospheric Dump
Circ:	Circumferential
Cont:	Containment
CRDR:	Condition Report Deficiency Request
CS:	Containment Spray
CSP:	Containment Spray Pump
DCN:	Document Change Notice
FW:	Feedwater
HPSI:	High Pressure Safety Injection
Letdown HT Exch:	Letdown Heat Exchanger
LPSI:	Low Pressure Safety Injection
MNCR:	Material Nonconformance Report
MS:	Main Steam
PSV:	Pressurizer Safety Valve
PZR:	Pressurizer
RCP:	Reactor Coolant Pump
RCS:	Reactor Coolant System
Reg HT Exch:	Regenerative Heat Exchanger
RT:	Radiographic Testing
SD:	Shutdown
SDCHX:	Shutdown Cooling Heat Exchanger
SG:	Steam Generator
SI:	Safety Injection
SNUB. REDUC:	Snubber Reduction Program
UT:	Ultrasonic Testing



APPENDIX A

INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
AHE5.11 & 5.12	51 Bypass V180	Two	20	20	51-65	91-2423	91-2434		
					51-66	91-2424	91-2434		
					51-67	91-2449	91-2435		
					51-68	91-2450	91-2435		
					51-69	91-2451	91-2435		
					51-70	91-2452	91-2435		
					51-71	91-2453	91-2435		
					51-72	91-2454	91-2435		
					51-73	91-2455	91-2435		
					51-74	91-2456	91-2435		
					51-75	91-2457	91-2435		
					51-76	91-2458	91-2435		
					51-77	91-2425	91-2434		
					51-78	91-2426	91-2434		
					51-79	91-2427	91-2433		
					51-80	91-2428	91-2433		
					51-81	91-2429	91-2434		
					51-82	91-2430	91-2433		
					51-83	91-2431	91-2433		
					51-84	91-2432	91-2433		
	52 Bypass V171	Three	21	21	52-65	95-2310	95-2247		
					52-66	95-2311	95-2247		
					52-67	95-2312	95-2247		
					52-68	95-2283	95-2247		
					52-69	95-2282	95-2247		
					52-70	95-2281	95-2247		
					52-71	95-2280	95-2247		
					52-72	95-2279	95-2247		
					52-73	95-2278	95-2247		
					52-74	95-2277	95-2247		
					52-75	95-2276	95-2247		
					52-76	95-2287	95-2247		
					52-77	95-2313	95-2245		
					52-78	95-2314	95-2247		
					52-79	95-2315	95-2244		
					52-80	95-2316	95-2247		
					52-81	95-2317	95-2247		
					52-82	95-2318	95-2247		
					52-83	95-2285	95-2247		
					52-84	95-2284	95-2247		
52-90	95-2286	95-2246							
	53 Steam to Aux FW	One	10	10	53-11	88-2125	88-2111		
					53-12	88-2122	88-2111		
					53-13*		88-2111		*No UT inaccess
					53-14	88-2124	88-2111		
					53-15	88-2123	88-2111		
					53-21	88-2128	88-2111		
					53-22	88-2129	88-2111		
					53-23	88-2127	88-2111		
53-24	88-2126	88-2111							
				53-25	88-2130	88-2111			

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks				
AHE 5.11 & 5.12	53 Steam to Aux FW	Two	9	9	53-1	91-2442	91-2439						
					53-2	91-2443	91-2439						
					53-4	91-2444	91-2439						
					53-5	91-2445	91-2439						
					53-6	91-2446	91-2439						
					53-7	91-2466	91-2462						
						N/A	91-2528	Reject (surf) Re-exam					
					53-8	91-2478	91-2439						
					53-9	91-2467	91-2439						
					53-10	91-2468	91-2439						
		Three		10	10	53-16	95-2307	95-2399					
						53-26	95-2298	95-2399					
						53-27	95-2299	95-2399					
						53-28	95-2300	95-2399					
						53-29	95-2301	95-2399					
						53-30	95-2302	95-2399					
						53-31	95-2303	95-2399					
						53-32	95-2304	95-2399					
						53-34	95-2305	95-2399					
						53-35	95-2306	95-2399					
AHE 5.21 & 5.22	47 MS SG1 WEST	One	12	12	47-1	88-2272	88-2112		Re-exam CIRC UT AXIAL UT				
						88-2142	N/A						
					47-2	88-2270	88-2112						
					47-4	88-2103	88-2112						
					47-8	88-2104	88-2058						
					47-12	88-2105	88-2058						
					47-16	88-2106	88-2058						
					47-20	88-2107	88-2058						
					47-24	88-2143	88-2112						
					47-25	88-2144	88-2112						
	47-28	88-2133	88-2058										
	47-29	88-2134	88-2058										
	47-30	88-2271	88-2112										
	Two		0		47-4	93-2258	93-2219						
					47-8	93-2278	93-2219						
					47-12	93-2259	93-2219						
					47-16	93-2277	93-2219						
					47-20	93-2260	93-2219						
					48 MS SG 1 EAST	Two	12	12	48-1	91-2309	91-2250		
										N/A	91-2251		
48-2									91-2310	91-2249			
									91-2311	91-2251			
48-4									91-2370	91-2251			
48-8	91-2371	91-2251											
48-12	91-2372	91-2251											
48-16	91-2394	91-2250											
48-20	91-2373	91-2250											
48-24	91-2257	91-2248											
	91-2313	N/A											
48-25	91-2256	91-2248											

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
AHE 5.21 & 5.22	48 MS SG 1 East	Two	12	12	48-28	91-2472	91-2249		
					48-29	91-2473	91-2249		
					48-30	91-2259	91-2248		
					48-4	93-2261	93-2218		
					48-8	93-2262	93-2218		
					48-12	93-2326	93-2218		
					48-16	93-2263	93-2218		
					48-20	93-2264	93-2218		
	49 MS SG 2 EAST	Two	0	0	49-4	93-2265	93-2217		
					49-8	93-2266	93-2217		
					49-12	93-2267	93-2217		
					49-16	93-2268	93-2217		
		Three	12	12	49-20	93-2398	93-2217		
					49-1	95-2447	95-2382		
					49-2	95-2446	95-2382		
						95-2448	N/A		
					49-4	95-2391	95-2006		
					49-8	95-2390	95-2006		
	50 MS SG 2 WEST	Two	0		49-12	95-2389	95-2006		
					49-16	95-2388	95-2006		
					49-20	95-2387	95-2006		
					49-24	95-2421	95-2382		UT limited by hanger
		Three	12	12		95-2431			
					49-25	95-2422	95-2382		
					49-28	95-2433	95-2428		
					49-29	95-2434	95-2428		
					49-30	95-2423	95-2382		
					50-4	93-2269	93-2235		
51 Atmos Dump SG 1	One	13	13	50-8	93-2271	93-2235			
				50-12	93-2270	93-2235			
				50-16	93-2272	93-2235			
				50-20	93-2273	93-2235			
	Three	12	12	50-1	95-2460	95-2418			
				50-2	95-2458	95-2418			
					95-2459	N/A			
				50-4	95-2396	95-2260			
				50-8	95-2395	95-2260			
				50-12	95-2394	95-2004			
One	13	13	50-16	95-2393	95-2004				
			50-20	95-2392	95-2004				
			50-24	95-2411	95-2418		UT limited by hanger		
				95-2430					
			50-25	95-2410	95-2418				
			50-28	95-2435	95-2260				
One	13	13	50-29	95-2436	95-2260				
			50-30	95-2412	95-2418				
			51-1	88-2093	88-2058				
			51-2	88-2241	88-2131				
			51-3	88-2242	88-2303				
One	13	13	51-4	88-2243	88-2303				
			51-5	88-2248	88-2131				

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks							
AHE 5.21 & 5.22	51 Atmos Dump SG1	One	13	13	51-6	88-2244	88-2303									
					51-7	88-2245	88-2131									
					51-8A	88-2246	88-2131									
					51-8B	88-2247	88-2131									
					51-9	88-2249	88-2303									
					51-40	88-2250	88-2131									
					51-85	90-2302	90-2300		PSE/Block valve							
					51-86	90-2303	90-2300		PSE/Block valve							
					51-87	90-2304	90-2300		PSE/Block valve							
					51-88	90-2305	90-2300		PSE/Block valve							
					Two	14	14	51-26	91-2409	91-2388						
								51-27	91-2413	91-2388						
								51-28	91-2533	91-2532		Reject (surf)				
			N/A	91-2535					Re-exam							
	51-29	91-2534	91-2532					Reject (surf)								
		N/A	91-2535					Re-exam								
	51-30	91-2410	91-2388													
	51-31	91-2411	91-2388													
	51-32	91-2412	91-2388													
	51-33	91-2418	91-2388													
	Three	0	0	51-28	N/A	95-2405			Re-exam							
				51-29	N/A	95-2405		Re-exam								
				52 Atmos Dump SG 2	One	0	0	52-3	90-2237	90-2107						
								52-85	90-2306	90-2301		PSE/Block valve				
								52-86	90-2307	90-2301		PSE/Block valve				
								52-87	90-2308	90-2301		PSE/Block valve				
								52-88	90-2309	90-2301		PSE/Block valve				
								Three	27	27	52-1	95-2289	95-2003			
											52-2	95-2293	95-2003			
											52-3	95-2292	95-2003			
	52-4	95-2294	95-2003													
	52-5	95-2295	95-2003													
	52-6	95-2296	95-2003													
	N/A	95-2253														
52-7	95-2297	95-2253														
52-8	95-2367	95-2253														
52-9	95-2366	95-2003														
52-10	95-2365	95-2003														
52-27	95-2362	95-2005														
52-28	95-2361	95-2005														
52-29	95-2360	95-2252														
52-30	95-2359	95-2252														
52-31	95-2358	95-2005														
52-32	95-2357	95-2005														
52-33	95-2356	95-2005														

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks		
AHE 5.21 & 5.22	52 Atmos Dump SG 2	Three	27	27	52-34	95-2355	95-2005				
					52-35	95-2354	95-2005				
					52-38	95-2440	95-2005				
					52-40	95-2364	95-2252				
					52-41	95-2363	95-2252				
					52-85	95-2290	95-2003				
					52-86	95-2291	95-2003				
					52-87	95-2439	95-2005				
					52-88	95-2438	95-2425				
	56 FW SG 1	One	4	4	52-89	95-2437	95-2005				
					56-1	90-2250	90-2255				
					56-4	90-2251	90-2255				
					56-6	90-2248	90-2255				
					56-7	90-2249	90-2255				
					Two	2	2	56-9	91-2305	91-2300	
								56-11	91-2304	91-2299	
	57 FW SG 2	Three	6	6	57-1	96-2202	96-2174				
					57-4	96-2213	96-2174				
					57-6	96-2214	96-2174				
					57-7	96-2211	96-2174				
					57-9	96-2212	96-2174				
					57-11	96-2210	96-2174				
	60 Downcomer FW SG1	One	9	9	60-7	88-2097	88-2108				
					60-8	88-2098	88-2305				
					60-9*		88-2108	*No UT inaccess			
					60-11*		88-2108				
					60-12*		88-2108				
60-14					88-2099	88-2108					
60-15					88-2100	88-2108					
60-16					88-2101	88-2108					
60-17					88-2102	88-2108					
Two					5	5	60-2	91-2389	91-2385		
							60-3	91-2390	91-2385		
							60-4	91-2391	91-2385		
							60-5	91-2392	91-2383	Reject (surf)	
Three					0	0	60-6	N/A	91-2537	Re-exam	
							60-6	91-2393	91-2384	Reject (surf)	
	60-5	N/A	91-2537	Re-exam							
61 Downcomer FW SG2	Two	5	5	60-5	N/A	95-2181	Re-exam				
				60-6	N/A	95-2180	Re-exam				
				61-2	91-2396	91-2387					
				61-3	91-2397	91-2387					
				61-4	91-2398	91-2387					
				61-5	91-2399	91-2387					
				61-6	91-2400	91-2387					
				Three	9	9	61-7	95-2265	95-2325		
							61-8	95-2266	95-2325		
				61-9	95-2523	N/A					
					95-2267	95-2325					
					95-2524	N/A					

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
AHE 5.21 & 5.22	61 Downocmer FW SG2	Three	9	9	61-11	95-2268	95-2325		UT limited by hanger			
						95-2591	N/A					
					61-12	95-2269	95-2325					
					61-14	95-2270	95-2325					
					61-15	95-2271	95-2325					
					61-16	95-2272	95-2325					
					61-17	95-2273	95-2325					
					66 Blowdown SG 1	One	10	10		66-1	88-2121	88-2109
										66-2	88-2121	88-2109
	66-3	88-2120	88-2109									
	66-4	88-2117	88-2109									
	66-5	88-2116	88-2096									
	66-7	88-2115	88-2109									
	66-8	88-2114	88-2109									
	66-9	88-2113	88-2109									
	66-25	88-2119	88-2109									
	66-28	88-2118	88-2109									
	66-10	Two	6	6						66-10	93-2379	93-2212
											93-2380	N/A
										66-11	93-2242	93-2212
										66-12	93-2381	93-2212
											93-2382	N/A
					66-13	93-2383	93-2212					
						93-2384	N/A					
	67 Blowdown SG 2	Two	6	6	67-7	93-2244	93-2213					
					67-8	93-2246	93-2213					
					67-9	93-2387	93-2213					
					93-2388	N/A						
67-10					93-2247	93-2213						
67-11					93-2248	93-2213						
67-12		Three	6	6	67-12	93-2249	93-2213					
					67-1	95-2174	95-2179					
					67-2	95-2175	95-2179					
					67-3	95-2176	95-2179					
					67-5	95-2177	95-2179					
					67-6	95-2178	95-2179					
67-22	95-2173	95-2179										
AHE 5.31 & 5.32	47 MS SG 1 WEST	One	7	7	47-3	88-2138	88-2112					
					47-7	88-2141	88-2058					
					47-11	88-2135	88-2058					
					47-15	88-2137	88-2058					
					47-19	88-2139	88-2058					
	48 MS SG 1 EAST	Two	9	9	47-23	88-2136	88-2058					
					47-27	88-2140	88-2058					
					48-3	91-2312	91-2338					
					48-7	91-2294	91-2251					
					48-11	91-2297	91-2251					
48-15	91-2254	91-2250										

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks				
AHE 5.31 &5.32	48 MS SG 1 EAST	Two	9	9	48-19	91-2295	91-2250						
					48-23	91-2255	91-2250						
					48-27	91-2296	91-2249						
					48-34	91-2293	91-2251						
					48-35	91-2258	91-2248						
					49-3	95-2445	95-2261						
	49 MS SG 2 EAST	Three	9	9	49-7	95-2444	95-2261						
					49-11	95-2442	95-2262						
					49-15	95-2441	95-2261						
					49-19	95-2419	95-2261						
					49-23	95-2420	95-2261						
					49-27	95-2432	95-2426						
					49-34	95-2443	95-2261						
					49-35	95-2424	95-2382						
					50 MS SG 2 WEST	Three	7	7	50-3	95-2461	95-2260		
									50-7	95-2462	95-2260		
									50-11	95-2452	95-2260		
									50-15	95-2454	95-2260		
50-19	95-2453	95-2260											
50-23	95-2409	95-2260											
B 1.11	01 Reactor Vessel	Three	3	3	50-27	95-2455	95-2260						
					1-2	**		** Separate Report by Wesdyne					
					1-6	**							
					1-10	**							
					B 1.12	01 Reactor Vessel	Three	9	9	1-3	**		
										1-4	**		
										1-5	**		
										1-7	**		
										1-8	**		
										1-9	**		
1-11	**												
1-12	**												
1-13	**												
B 1.22	01 Reactor Vessel	Three	1	1	1-1	**		Accessible areas					
					02 Closure Head	One	33%	33%	2-4	88-2375 88-2346 88-2373 88-2346 88-2372 88-2346	60" total accessible length examined		
	02 Closure Head	Two	33%	33%	2-4	93-2204			62" total accessible length examined				
						93-2237							
						93-2239							
						95-2349			Total accessible length outside shroud examined.				
B 1.30	01 Reactor Vessel	One	50%	50%	1-14	95-2351 95-2353	*	*Separate Report by Westinghouse examined 0°-180°					
					B 1.40	02 Closure Head	Three	One	100%	100%	1-14	**	
												33%	33%

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 1.40	02 Closure Head	Two	33%	33%	2-1	93-2203	93-2200		examined 15'-32'
						93-2205	93-2214 93-2238		
		Three	34%	34%	2-1	95-2348	95-2212		Examined 31' -0'-1'
						95-2350 95-2352			
B 2.11 & 2.12	05 PZR	One	33%	33%	5-2	88-2362	88-2343		examined 1'5"-14'
						88-2358	88-2343		
						88-2366	88-2343		
					5-3	99-2276	99-2193		1' long seam RR#14
						99-2277 99-2278 99-2279			
		Two	33%	33%	5-2	93-2240	93-2222		examined 14' thru 0' to 2'
						93-2365	93-2222		
						93-2285	93-2222		
		Three	34%	34%	5-2	96-2054			examined 9' to 14' to 19'
						96-2055 96-2056			
					5-4	96-2054			Long seam of 5-2
						96-2055 96-2056			
		One	33%	33%	5-8	88-2364	88-2343		examined 1'5"-11'8"
						88-2361	88-2343		
				88-2360	88-2343				
			5-6	99-2280	99-2193		1' long seam RR#14		
				99-2281 99-2282 99-2283					
Two	33%	33%	5-8	93-2466					
				93-2467 93-2470 93-2471 93-2472 93-2473					
			5-6	93-2415			Long Seam of 5-8		
				93-2419 93-2424 93-2465 93-2468 93-2469					
			5-7	93-2408			Long Seam of 5-8		
				93-2416 93-2420					
Three	34%	34%	5-8	96-2118			examined 17' to 0' to 2'		
				96-2122 96-2147 96-2325 96-2326 96-2327			examined 27' to 10' to 2' & 12' to 17'		



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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks												
B 2.31	03 SG 1	One	1	1	3-5	90-2395 90-2396															
										Two	1	1	3-2	90-2397 93-2036 93-2039 93-2057							
		Three	2	2	3-17	96-2342 96-2345 96-2348															
										3-18	96-2343 96-2346 96-2349										
		One	1	1	4-2	90-2319 90-2320 90-2321															
							Two	1	1	4-5	93-2045 93-2051 93-2066										
	Three	2	2	4-17	96-2230 96-2233 96-2236																
									4-18	96-2231 96-2234 96-2237											
	B 2.32	03 SG 1	One	4	4						3-10	90-2401 90-2402 90-2403									
						3-11	90-2404 90-2405 90-2406														
								3-12	90-2407 90-2408 90-2409												
										3-13						90-2410 90-2411 90-2412					
																	Two	2	2	3-3	93-2028 93-2031 93-2035
		04 SG 2	Two	4	4						4-10	93-2047 93-2062 93-2068									
						4-11	93-2048 93-2063 93-2069														
								4-12	93-2049 93-2064 93-2070												

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
B 2.32	04 SG 2	Two	4	4	4-13	93-2050						
										93-2065		
		Three	2	2	4-3	96-2061	96-2062					
											96-2063	
											96-2260	
	B 2.40	03 SG 1	One	1	1	3-6	90-2398					
											90-2399	
			Three	1	1	3-19	96-2344	96-2347				
		96-2350										
		96-2264										
04 SG 2	Two	1	1	4-6	93-2046							
										93-2061		
	Three	1	1	4-19	96-2232	96-2235						
										96-2238		
										96-2238		
B 3.90 & B3.100	01 Reactor Vessel	One	2	2	1-15	*						
										1-18		
		Three	4	4	1-16	1-17	1-19	1-20	1-15	1-18	**	
												**
												**
												**
												**
												**
B 3.110	05 PZR	One	2	2	5-11	88-2359	88-2343					
										88-2365		
										88-2363		
										88-2353		
										88-2356		
		Two	2	2	5-10	93-2406	93-2413	93-2417	93-2407	93-2414		
												88-2354
												96-2119
												96-2123
												96-2148
		Three	2	2	5-12	96-2119	96-2123	96-2148	96-2120	96-2124		
												96-2149
												88-2355
												88-2357
												88-2357
B 3.120	05 PZR	One	2	2	5-11	88-2355			Inner Radius			
										5-9		
									Inner Radius			

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INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
B 3.120	05 PZR	Two	2	2	5-10	93-2421			Inner Radius Inner Radius Inner Radius Nozzle Bore Nozzle Bore Inner Radius Inner Radius	
					5-13	93-2422				
		Three	2	2	5-10	93-2423				
					5-12	95-2456				
					5-14	95-2457				
					5-14	96-2328				
B 3.130	03 SG 1	One	1	1	3-9	96-2329				
					3-9	90-2353				
		Two	1	1	3-7	90-2354				
					3-7	90-2355				
					3-7	93-2027				
					3-7	93-2030				
	Three	1	1	3-8	93-2033					
				3-8	96-2257					
	04 SG 2	One	1	1	4-9	96-2258				
					4-9	96-2259				
		Two	1	1	4-7	90-2334				
					4-7	90-2335				
4-7					90-2336					
4-7					93-2058					
Three	1	1	4-8	93-2059						
			4-8	93-2060						
B 3.140	03 SG 1	One	1	1	3-9	96-2263			Inner Radius Inner Radius Inner Radius Inner Radius Inner Radius Inner Radius Inner Radius	
		Two	1	1	3-7	96-2265				
		Three	1	1	3-8	90-2356				
	04 SG 2	One	1	1	4-9	93-2044				
		Two	1	1	4-7	96-2282				
		Three	1	1	4-8	90-2337				
	B 4.12	02 Closure Head	One	8	8	CEDM	93-2043			90-2456
			Two	8	8	CEDM	96-2283			92-2001
			Three	9	9	CEDM				95-2609
B 4.13	01 Reactor Vessel	One	5	5	ICI			90-2456		
		Two	5	5	ICI			92-2001		
		Three	6	6	ICI			95-2609		
B 4.20	05 PZR	One	3	3	HTRS			90-2297		
		Two	3	3	HTRS			90-2456		
		Three	3	3	HTRS			92-2001		
B 5.40	20 PZR Surge	One	2	2	5-34	88-2367	88-2352			
					5-29	88-2316	88-2309			
	31 PZR Safety	Two	2*	2*	5-33	93-2403	93-2400	93-2312		
					5-33	93-2405				
	29 PZR Spray	Two	2*	2*	5-31	93-2632				
					5-31	93-2223	93-2199			
31 PZR Safety	Two	2*	2*	5-30	93-2438					
				5-30	96-2066	96-2059				
				5-30	96-2068					
				5-30	96-2331					

RT Supplemental  
\*Required between  
2 zones

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 5.40	31 PZR Safety	Three	2	2	5-32	96-2067	96-2059		
						96-2069			
B 5.130	20 PZR Surge	Three	1	1	6-10	96-2115	96-2029		
						96-2146			
	21 SD Cooling 1	One	1	1	6-11	90-2376	90-2366		
	23 Safety Injection 1A	One	1	1	9-10	90-2448	90-2452		
	22 SD Cooling 2	Two	1	1	7-9	93-2281	93-2129		
						93-2282			
						93-2283			
	24 SI 1B	Three	1	1	11-10	95-2041	95-2023		
	25 Safety Injection 2A	Two	1	1	13-10	93-2158	93-2128		
						93-2162			
	26 SI 2B	Three	1	1	15-9	95-2135	95-2002		
B 5.140	27 PZR Spray 1A	One	1	1	9-11	90-2380	90-2367		
	28 PZR Spray 1B	Two	1	1	11-11		93-2600		
		Three	0	0	11-11		95-2518		Reexam
	32 Drain Line 1A	One	1	1	8-18		88-2312		
	33 Drain Line 1B	Two	1	1	10-18		91-2348		
	34 Drain Line 2A	Three	1	1	12-18		95-2370		
	36 Letdown	Three	1	1	14-18		97-2015		
	37 Charging Line	Two	1	1	13-11	93-2631	93-2012		RT Supplemental
B 6.10	02 Closure Head Nuts	One	9	9	35-43		90-2433		
		Two	27	27	44-54, 1-17		91-2488		
							91-2489		
		Three	18	18	35-52, 54		95-2182		
					17-31,33,34				No stud #32
					7		99-2328	99-2327	RR#14
B 6.30	02 Closure Head Studs	One	9	9	34-42	90-2431	90-2432		
		Two	27	27	44-54, 1-17	91-2471	91-2479		
							91-2480		
							91-2481		
							91-2482		
		Three	18	18	7,25,38-45	95-2347	95-2251		Two studs were
					47-52,52,35				marked as #52
					7	96-2330	96-2311		PSE
					18-24,26-33	99-2374	99-2330		RR#14
B 6.40	01 Reactor Vessel	Three	54	54	Ligaments	**			**Separate Report
									by Wesdyne
B 6.50	02 Closure Head Washers	One	9	9	35-43			90-2434	
		Two	27	27	44-54, 1-17			91-2483	
		Three	18	18	35-52, 54			95-2183	
					18-31,33,34			99-2329	RR#14, No#32 washr
B 6.180	16 RCP 1A Flange Studs	One	5	5	1-16	88-2386	88-2382	88-2384	
								90-2292	
								90-2296	
		Two	5	5	1-16	93-2287		93-2303	
		Three	6	6	1-16	96-2292		96-2390	
								97-2269	
								97-2297	

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INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
B 6.180	17 RCP 1B Flange Studs	One	5	5	1-16	88-2387	88-2383	88-2385 90-2292 90-2296		
		Two	5	5	1-16	93-2286		93-2304		
		Three	6	6	1-16	96-2292		96-2390 97-2297		
	18 RCP 2A Flange Studs	One	5	5	1-16	88-2393	88-2391	88-2389 90-2292 90-2296		
		Two	5	5	1-16	93-2288		93-2302		
		Three	6	6	1-16	96-2292		96-2390 97-2297		
	19 RCP 2B Flange Studs	One	5	5	1-16	88-2394	88-2392	88-2390 90-2292 90-2296		
		Two	5	5	1-16	93-2289		93-2301		
		Three	6	6	1-16	96-2292		96-2390 97-2268 97-2297		
	B 6.190	18 RCP Flange	One	1	1			88-2406		RCP 2A RCP 1B
		17 RCP Flange						90-2238		
	B 6.200	16 RCP 1A Nuts & Rings	One	5	5	1-16				88-2413
Two			5	5	1-16			93-2303		
Three			6	6	1-16			96-2295 97-2269 97-2297		
17 RCP 1B Nuts & Rings		One	5	5	1-16			88-2414		
		Two	5	5	1-16			93-2304		
		Three	6	6	1-16			96-2295 97-2297		
18 RCP 2A Nuts & Rings		One	5	5	1-16			88-2415		
		Two	5	5	1-16			93-2302		
		Three	6	6	1-16			96-2295 97-2297		
19 RCP 2B Nuts & Rings		One	5	5	1-16			88-2416		
		Two	5	5	1-16			93-2301		
		Three	6	6	1-16			96-2295 97-2268 97-2297		
B 7.20	05 PZR (studs & nuts)	One	20	20	20 1 Stud		88-2410	88-2409 88-2412	IEB 82-02 (surface) PSE	
		Two	20	20	20 19		93-2166	91-2491 93-2165		
					1 Stud 20 Nuts			93-2548 93-2669	1 stud destroyed not examined. IEB 82-02 (surface) PSE PSE	
	Three	20	20	20 20 20 20			94-2001 94-2028 95-2400 96-2076			

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INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 7.20	05 PZR (studs & nuts)	Three	20	20	20		97-2256	97-2255	
B 7.30	03 SG 1 (studs & nuts)	One	40	40	40		88-2388	88-2405	IEB 82-02 (surface)
					5 Studs			88-2411	PSE
					20			90-2298	
					20			90-2362	
		Two	40	40	40			91-2469	
					40		93-2253	93-2207	IEB 82-02 (surface)
		Three	40	40	40			94-2002	
					40			94-2027	
					40			95-2106	Reject 1 stud
					3			95-2402	PSE
					40			96-2074	
					40		97-2252	97-2251	Reject 1 stud
	04 SG 2 (studs & nuts)	One	40	40	40		88-2388	88-2405	IEB 82-02 (surface)
					1 Stud			88-2411	PSE
					20			90-2299	
					20			90-2322	
		Two	40	40	40			91-2484	
					1 Stud			91-2504	PSE
					40		93-2254	93-2206	IEB 82-02 (surface)
		Three	40	40	40			94-2002	
					40			94-2026	
					40			95-2107	
					40			96-2075	
					40		97-2254	97-2253	
B 7.50	31 PZR (studs & nuts)	One	1	1	PSV200			88-2220	
								88-2396	PSE
							90-2333	90-2332	
					PSV201			88-2396	PSE
							90-2333	90-2332	
					PSV202			88-2396	PSE
							90-2333	90-2332	
					PSV203			88-2396	PSE
							90-2333	90-2332	
		Two	1	1	PSV200			91-2506	
					PSV201			91-2506	
					PSV202			91-2506	
					PSV203			91-2506	
					PSV200			93-2164	
					PSV201			93-2164	reject 1 nut
								93-2377	PSE
					PSV202			93-2164	
					PSV203			93-2164	
		Three	2	2	PSV200		95-2264	95-2263	IEB 82-02(surface)
					PSV201		95-2264	95-2263	IEB 82-02(surface)
					PSV202		95-2264	95-2263	IEB 82-02(surface)
					PSV203		95-2264	95-2263	IEB 82-02(surface)
					PSV200			96-2293	
					PSV201			96-2293	
					PSV202			96-2293	

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INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
B 7.50	31 PZR (studs & nuts)	Three	2	2	PSV203			96-2293		
					PSV200		97-2258	97-2257	IEB 82-02(surface)	
					PSV201		97-2259	97-2257	IEB 82-02(surface)	
					PSV202		97-2260	97-2257	IEB 82-02(surface)	
					PSV203		97-2261	97-2257	IEB 82-02(surface)	
	37 Charging Line Flange	One	1	1	V435			88-2326		
B 7.60	16 RCP 1A Seal Hous.	One	5	5	1-16			88-2417		
		Two	5	5	1-16			91-2266		
		Three	6	6	1-16			95-2330		
	17 RCP 1B Seal Hous.	One	5	5	1-16			88-2418		
		Two	5	5	1-16			91-2266		
		Three	6	6	1-16			95-2331		
	18 RCP 2A Seal Hous.	One	5	5	1-16			88-2419		
		Two	5	5	1-16			91-2266		
		Three	6	6	1-16			95-2332		
	19 RCP 2B Seal Hous.	One	5	5	1-16			88-2420		
		Two	5	5	1-16			91-2266		
		Three	6	6	1-16			95-2333		
B 7.70	21 SD Cooling Loop 1	One	1	1	V653			88-2201		
		Three	1	1	V651			96-2178		
	22 SD Cooling Loop 2	One	1	1	V654			90-2252		
		Two	1	1	V652			93-2107		
	23 Safety Injection 1A	One	1	1	V237			90-2443		
		Two	2	2	V235			93-2634		
					V634			93-2037		
			Three	1	1	V542			96-2179	
	24 Safety Injection 1B	One	1	1	V543			88-2165		
		Two	2	2	V245			93-2010		
						V644			93-2010	
			Three	1	1	V247			96-2388	
	25 Safety Injection 2A	One	1	1	V540			88-2401		
		Two	1	1	V217			93-2543		
		Three	2	2	V215			96-2012		
								V614	96-2084	
	26 Safety Injection 2B	One	1	1	V225			88-2169		
		Two	2	2	V541			93-2011		
								V624	93-2011	
			Three	1	1	V227			96-2389	
	27 PZR Spray 1A	Two	1	1	V100E			93-2412		
		Three	2	2	V240			96-2142		
						V243			96-2143	Reject
								96-2365	Re-exam	
							97-2063	Re-exam		
28 PZR Spray 1B	One	2	2	V241			88-2210			
							V242	88-2210		
		Two	1	1	V100F			93-2313		
29 Comb. PZR Spray	Three	1	1	V244			96-2013			
31 PZR Safeties	One	1	1	PSV200			88-2220			
	Two	1	1	PSV202			91-2525			

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INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks						
B 7.70	31 PZR Safeties	Three	2	2	PSV200			95-2401							
					PSV201			95-2401							
					PSV202			95-2401							
					PSV203			95-2401							
	32 Drain Line 1A	One	2	2	V234			88-2328							
					V334			88-2328							
	33 Drain Line 1B	Two	2	2	V235			91-2335							
					V335			91-2335							
	34 Drain Line 2A	Two	2	2	V233			91-2334							
					V333			91-2346							
	35 Drain Line 2B	Three	2	2	V232			95-2110							
					V332			95-2146							
	36 Letdown	Three	2	2	V515			96-2008							
					V516			96-2008							
	37 Charging Line	One	1	1	V240			88-2221							
	38 Loop 1 Drain	One	1	1	V215			90-2369							
		Three	1	1	V216			95-2404							
	39 HPSI 1	One	1	1	V523			90-2287							
		Two	2	2	V522			91-2262							
	40 HPSI 2	Two	1	1	V957			92-2002							
V532							91-2401								
Three		2	2	V533			95-2072	Reject							
				V958			95-2214	Re-exam							
B 7.80	02 Closure Head	One	1	1	CEDM 92			95-2071							
					CEDM 96			90-2150							
					CEDM 92			90-2150							
					CEDM 96			96-2353							
B 8.20	05 PZR	One	33%	33%	5-1	90-2293	88-2343	96-2353	examined 2'-16'						
						90-2294									
						90-2295									
					Two	33%	33%	5-1	93-2294	93-2222	93-2295	93-2296	93-2333	93-2334	93-2354
B 8.30	03 SG 1	One	33%	33%	3-1	90-2357									
						90-2351									
						90-2352									
					Three	34%	34%	3-1	95-2256	95-2519	95-2257	95-2342	Examined 240° thru 270° thru 360°		
						97-2284		Examined 0° to 120°							



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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks		
B9.11 & 9.12	04 SG 2	Two	33%	33%	4-1	93-2040	93-2013		examined 120° thru 240°		
	06 RCS Piping	One	7	7	17-2	90-2441	90-2379				
					1-30	90-2438	90-2436				
					1-27	90-2437	90-2435				
					3-30	90-2361	90-2363				
					4-30	90-2345	90-2328				
					6-7	90-2439	90-2435				
					7-7	90-2440	90-2436				
					Two	6	6	16-1	93-2086	93-2078	
									93-2150		
									93-2155		
								9-1	93-2149	93-2077	
									93-2152		
									93-2154		
								17-1	93-2085	93-2075	
									93-2151		
					93-2156						
				11-1	93-2087	93-2076					
					93-2153						
					93-2157						
				18-1	93-2142	93-2075					
					93-2145						
					93-2183						
				13-1	93-2144	93-2076					
					93-2147						
					93-2184						
				19-1	93-2143	93-2054					
					93-2146						
					93-2182						
				15-1	93-2148	93-2055					
					93-2163						
					93-2185						
				3-28	93-2178	93-2276					
				93-2179							
				93-2195							
				N/A	93-2461						
			6-1	93-2193	93-2399						
				93-2194							
				93-2196							
			4-28	93-2137	93-2056						
				93-2233							
				93-2256							
			7-1	93-2138	93-2052						
				93-2232	93-2053						
				93-2257							
		Three	9	9	1-28	**	97-2294		**Separate Report by Wesdyne		
					1-29	**	97-2294				
					1-31	**	97-2294				
					1-32	**	97-2294				

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INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
B 9.11 & 9.12	06 RCS Piping	Three	9	9	3-28	N/A	95-2520		Re-exam	
					3-29	96-2239	96-2221			
						96-2243				
						96-2247				
					4-29	96-2240	96-2221			
						96-2244				
						96-2248				
						9-7	**			
						11-7	**			
						13-7	**	97-2294		
						15-7	**	97-2294		
						16-2		96-2268		96-2221
								96-2270		
								96-2273		
						18-2		96-2267		96-2197
								96-2271		
								96-2274		
						19-2		96-2269		96-2197
								96-2272		
								96-2275		
20 PZR Surge		One	1	1	20-1	88-2368	88-2352			
		Three	2	2	20-10	96-2116	96-2029			
					20-11	96-2117	96-2029			
21 SD Cooling 1		One	2	2	21-18	90-2377	90-2366			
					21-20	90-2378	90-2366			
		Two	2	2	21-14	91-2349	91-2340			
					21-15	91-2350	91-2339			
22 SD Cooling 2		Three	2	2	21-3	95-2065	95-2073			
					21-4	95-2066	95-2073			
		One	2	2	22-11	90-2257	90-2253			
					22-14	90-2258	90-2256			
			22-23	-	90-2253		UT inaccess (added weld 22-14 to program)			
	Two	2	2	22-17	91-2386	91-2374				
				22-1	93-2280	93-2130				
	Three	3	3	22-4	95-2186	95-2413				
				22-5	95-2184	95-2154				
				22-6	95-2185	95-2154				
23 Safety Injection 1A		One	3	3	23-1	90-2449		90-2452		
					23-2	90-2450		90-2452		
					23-4	90-2451		90-2452		
		Three	2	2	23-6	97-2025		97-2029		
				23-6	97-2021		Vol/ IN 97-19. Pipe between 23-6& 23-7			
			23-22	95-2517	95-2516					
			23-26	95-2346	95-2226					
24 Safety Injection 1B		Two	3	3	24-14	91-2306		91-2264		
					24-16	91-2307		91-2265		
					24-19	91-2308		91-2252		

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INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks		
B 9.11 & 9.12	24 Safety Injection 1B	Three	2	2	24-1	95-2138	95-2023		Vol/ IN 97-19. Pipe between 24-6 & 24-7		
					24-2	95-2513	95-2023				
					24-6	97-2026	97-2030				
	25 Safety Injection 2A	One	2	2	25-26	88-2298	88-2267			Vol/ IN 97-19. Pipe between 25-6 & 25-7	
					25-29	88-2299	88-2268				
					25-1	93-2159	93-2131				
		Two	3	3	25-4	93-2160	93-2131	93-2202			N/A
					25-6	93-2161	93-2131				
					25-6	97-2027	97-2031				
		Three	1	1	25-6	97-2027	97-2031	97-2023			
					25-10	96-2077	96-2015				
26-9					88-2293	88-2259					
26 Safety Injection 2B	One	2	2	26-11	88-2292	88-2259		Vol/IN 97-19. Pipe between 26-6 & 26-7			
				26-17	91-2403	91-2380					
	Two	1	1	26-1	95-2136	95-2002					
				26-2	95-2137	95-2002					
	Three	2	2	26-6	97-2028	97-2032	97-2024				
				29-10	88-2318	88-2315					
29 Combined PZR Spray	One	2	2	29-11	88-2319	88-2377					
				29-1	90-2241	90-2239	93-2404	93-2400			
				29-2	96-2017	96-2014					
	Two	1	1	29-7	96-2016	96-2014					
				31-1	88-2317	88-2309					
				31-9	93-2221	93-2198					
	Three	2	2	31-10	93-2220	93-2198					
				31-5	96-2064	96-2058					
				31-13	96-2065	96-2058					
36 Letdown	Two	1	1	36-75	93-2441	93-2426					
				27 PZR Spray 1A	One	3	3	27-42	90-2367		
B 9.21 & 9.22	27 PZR Spray 1A	One	3	3	27-43	90-2367		Vol/ IN 97-19. Pipe between 26-6 & 26-7			
					27-44	90-2367					
					27-8	93-2305					
		Two	3	3	27-10	93-2305					
					27-16	93-2305					
					27-18	96-2048					
		Three	4	4	27-20	96-2048					
					27-38	96-2057					
					27-39	96-2057					
	28 PZR Spray 1B	One	4	4	28-31	88-2342	88-2342				
					28-32	88-2342					
					28-39	88-2341					
28-40					88-2341						
28-9					93-2306						
Two	3	3	28-11	93-2306							

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks		
B 9.21 & 9.22	28 PZR Spray 1B	Two	3	3	28-20		93-2306				
					28-45		93-2600				
		Three	3	3	28-41		96-2003				
					28-42		96-2003				
					28-45		96-2003				
	30 Aux PZR Spray	One	2	2	*30-1	90-2242	90-2240		*Vol/IEB 88-08 Pipe between 30-1 & 30-2		
										90-2243	N/A
					*30-2	90-2242	90-2240				
					30-7		88-2310				
					30-13		88-2310				
		Two	2	2	*30-1		91-2360				
							*30-2			91-2360	
					30-7		91-2359				
					30-13		91-2359				
					30-5		93-2215				
				30-6		93-2215					
	Three	0	0	*30-1	97-2274	97-2038					
							97-2276				
						*30-2	97-2275	97-2038			
	32 Drain Line 1A	One	2	2	32-1		88-2313				
								32-2		88-2314	
	33 Drain Line 1B	Two	2	2	33-1		91-2348				
								33-5		91-2347	
	34 Drain Line 2A	Three	2	2	34-1		95-2370				
								34-2		95-2370	
	35 Drain Line 2B	Three	2	2	35-4		95-2153				
								35-5		95-2153	
	36 Letdown	One	4	4	36-8		88-2348				
								36-9		88-2348	
								36-28		88-2350	
								36-35		88-2350	
								36-25		93-2426	
		Two	6	6	36-26		93-2426				
								36-43		93-2426	
								36-44		93-2426	
								36-45		93-2426	
								36-80		93-2426	
	Three	8	8	36-1		96-2145					
							36-2		96-2145		
							36-3		96-2145		
							36-6		96-2145		
							36-7		96-2145		
							36-63		96-2005		
							36-64		96-2005		
							36-67		96-2005		
				37 Charging	One	5	5	37-41		88-2324	
											37-42
								37-43		88-2324	
								37-45		88-2325	
								37-47		88-2325	

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
B 9.21 & 9.22	37 Charging	Two	6	6	37-28		93-2106		Reject Re-exam			
					37-29		93-2106					
					37-30		93-2106					
							93-2352					
					37-32		93-2012					
					37-33		93-2012					
		37-34		93-2012								
		Three	6	6	*13-11	97-2263	97-2267	*Vol/IN 97-19				
						97-2264						
					37-30		95-2343	Re-exam				
					37-8		96-2006					
					37-9		96-2006					
					37-18B		96-2006					
	37-19					96-2006						
	*37-34	97-2262	97-2267	*Vol/IN 97-19								
			96-2006									
			96-2006									
	38 Drain Loop 1	Two	1	1	38-1		93-2211					
					38-2		93-2366					
					38-3		93-2366					
					39 HPSI Loop 1	One	2	2	39-1		88-2291	
									39-5		88-2291	
									Two	3	3	39-12
39-13		91-2253										
39-24		91-2263										
Three	4	4	39-25		95-2078							
			39-28		95-2078							
			39-29		95-2078							
			39-33A		95-2077							
			40 HPSI Loop 2	One	3	3	40-1		90-2254			
40-2		90-2254										
40-3		90-2254										
Two	2	2		40-6		91-2402						
				40-7		91-2402						
Three	2	2		40-21		95-2075						
				40-23		95-2074						
B 9.31	06 RCS Piping	One	1	1	9-8	90-2447	90-2446					
					Two	1	1	13-8	93-2139	93-2075		
							93-2140					
							93-2197					
		Three	3	3	6-8	97-2246	97-2069					
								97-2247				
								97-2248				
					11-8	96-2241	96-2221					
						96-2245						
						96-2249						
					15-8	96-2242	96-2221					
				96-2246								
				96-2250								
B 9.32	06 RCS Piping	One	1	1	8-17		88-2312					
		Two	1	1	13-9		93-2075					

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
B 9.32	06 RCS Piping	Three	1	1	14-17		96-2176			
	22 SD Cooling 2	One	1	1	22-7A		90-2253			
	36 Letdown	Two	2	2	36-41		93-2426			
B 9.40	32 Drain Line 1A				36-76		93-2426			
		33 Drain Line 1B	Two	1	1	32-6		88-2314		
						33-6		91-2347		
	34 Drain Line 2A					33-8		91-2361		
						33-9		91-2341		
			Two	1	1	34-6		91-2329		
						34-8		91-2329		
	35 Drain Line 2B					34-9		91-2329		
			Three	1	1	35-6		95-2153		
	38 Drain Line Loop 1					35-5		90-2370		
		One	1	1	38-5		90-2370			
B 10.10	22 SD Cooling	Two	1	1	SI-193-H23		91-2377			
	25 SI 2A	Three	1	1	SI-160-H005		95-2254			
	26 Safety Injection 2B	One	1	1	SI-179-H10		88-2266			
	36 Letdown					RC-91-H5		88-2345		
			Two	1	1	RC-91-H6		93-2440		
B 12.10	19 RCP 2B	Three	1	1	19-4	96-2204				
							96-2207			
								96-2208		
			1	1	19-3		96-2205			
							96-2206			
							96-2209			
B 12.20	16 RCP Casing	One	1	1	RCP 2A			88-2395		
	17 RCP Casing	One	0		RCP 1B			90-2238		
B 12.40	22 Gate Valve	Three	1	1	UV654	97-2249			Portions of film density code limited RR#14	
	21 Gate Valve	Three	1	1	UV653	99-2375				
	29 Check Valve	Three	1	1	V244	97-2250				
	31 PSV	Three	1	1	PSV202	97-2020				
B 12.50	22 Gate Valve	Three	1	1	UV654			97-2033		
	25 Ck Valve	Three	1	1	V540			96-2303		
	31 PSV	Three	1	1	PSV201			97-2007		
B 13.10	01 Reactor Vessel	One	33%	33%	Acc Areas			88-2407		
								88-2408		
		Two	33%	33%	Acc Areas			91-2531		
		Three	34%	34%	Acc Areas			95-2381		
B 13.31	01 Reactor Vessel	Three	100%	100%	Acc Areas		****		Remote w/camera **** Separate Report by Wesdyne	
B 13.32	01 Reactor Vessel	Three	100%	100%	Acc Areas		****			
B 14.10	02 Upper Housing Welds				9-76	88-2398				
					9-83	88-2397				
			Two	2	2	9-78	93-2459			
	Closure Head					9-88	93-2453			
			Three	3	3	9-72	95-2406			
						9-80	95-2408			
						9-89	95-2407			
02 Tube Housing Lower Welds	One	2	2	10-76	88-2400					
Closure Head					10-83	88-2399				
		Two	2	2	10-78	93-2455				
					10-88	93-2454				

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
B 14.10	02 Closure Head	Three	3	3	10-72 10-80 10-89	95-2415 95-2414 95-2416			
B15.10	Reactor Vessel	One	All	All	Press Bound		*		*88-2424, 90-2001, 90-2456
B15.20	Pressurizer								**92-2001,93-2672
B15.30	Steam Generator								***94-2031,95-2609,95-2622,
B15.50	Piping								96-2004,96-2390,97-2009,
B15.60	Pumps								97-2010,97-2297,97-2309
B15.70	Valves								99-2212(RR#15)
B15.10	Reactor Vessel	Two	All	All	Press Bound			**	
B15.20	Pressurizer								
B15.30	Steam Generator								
B15.50	Piping								
B15.60	Pumps								
B15.70	Valves								
B15.10	Reactor Vessel	Three	All	All	Press Bound			***	
B15.20	Pressurizer								
B15.30	Steam Generator								
B15.50	Piping								
B15.60	Pumps								
B15.70	Valves								
B15.11	Reactor Vessel	Three	All	All	Press Bound		****		**** 97-2009,97-2010
B15.21	Pressurizer								97-2297,97-2309,
B15.31	Steam Generator								99-2212(RR#15)
B15.51	Piping								
B15.61	Pumps								
B15.71	Valves								
BFLYWH	16 RCP 1A Flywheel	One	1	1		89-1001****			****FLYWHEELS
	17 RCP 1B Flywheel	One	1	1		89-1002****			MOVED FROM
	18 RCP 2A Flywheel	One	1	1		89-1005****			UNIT 1 DURING
	19 RCP 2B Flywheel	One	1	1		89-1006****			THIS OUTAGE
	16 RCP 1A Flywheel	Two	1	1		89-1007****			
	17 RCP 1B Flywheel	Two	1	1		89-1008****			
	18 RCP 2A Flywheel	Two	1	1		89-1003****			
	19 RCP 2B Flywheel	Two	1	1		89-1004****			
	16 RCP 1A Flywheel	Three	1	1		93-2392			
	17 RCP 1B Flywheel	Three	1	1		93-2396			
	18 RCP 2A Flywheel	Three	1	1		93-2391			
	19 RCP 2B Flywheel	Three	1	1		93-2395			
	16 RCP 1A Flywheel	Three	1	1		93-2389			
	17 RCP 1B Flywheel	Three	1	1		93-2393			
	18 RCP 2A Flywheel	Three	1	1		93-2390			
	19 RCP 2B Flywheel	Three	1	1		93-2394			
	16 RCP 1A Flywheel	Three	1	1		96-2070	97-2067		
	17 RCP 1B Flywheel	Three	1	1		96-2071			
	18 RCP 2A Flywheel	Three	1	1		97-2002	97-2001		
	19 RCP 2B Flywheel	Three	1	1		96-2072	97-2068		
	16 RCP 1A Flywheel	Three	1	1		96-2073			
	17 RCP 1B Flywheel	Three	1	1		97-2002	97-2001		

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
BIWF	01 Reactor Vessel	Three	4	4	1-40			97-2292				
					1-41			97-2292				
					1-42			97-2292				
					1-43			97-2292				
	03 SG 1	One	1	1	3-40			88-2421				
	04 SG 2	Two	1	1	4-40			93-2410				
	05 PZR	Three	1	1	5-40			96-2310				
	16 RCP 1A	One	2	2	16-17			88-2333				
					16-18			88-2334				
					Two	4	4	15-12			91-2267	
								16-13			91-2267	
	16 RCP 1A	Three	4	4	16-14			91-2267				
					16-15			91-2267				
					16-19			95-2337				
					16-20			95-2337				
	17 RCP 1B	One	2	2	16-21			95-2525				
					16-22			95-2525				
					Two	4	4	17-17			88-2340	
								17-18			88-2339	
	18 RCP 2A	Three	4	4	17-12			91-2268				
17-13							91-2268					
17-14							91-2268					
17-15							91-2268					
18 RCP 2A	One	4	4	17-19			95-2338					
				17-20			95-2338					
				17-21			95-2526					
				17-22			95-2526					
19 RCP 2B	Two	2	2	18-12			88-2332					
				18-13			88-2332					
				18-14			88-2332					
				18-15			88-2332					
19 RCP 2B	Three	4	4	18-17			91-2272					
				18-18			91-2272					
				18-19			95-2335					
				18-20			95-2335					
20 PZR Surge	One	2	2	18-21			95-2527					
				18-22			95-2527					
				19-12			88-2338					
				19-13			88-2338					
20 PZR Surge	Two	2	2	19-14			88-2338					
				19-15			88-2338					
				19-17			91-2273					
				19-18			91-2273					
20 PZR Surge	Three	4	4	19-19			95-2336					
				19-20			95-2336					
				19-21			95-2528					
				19-22			95-2528					
20 PZR Surge	One	2	2	RC-28-H1			88-2336					
				RC-28-H2			89-2004					
							88-2337					
							89-2005					



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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
BIWF	20 PZR Surge	One			RC-28-H3			89-2006	IEB 88-11	
					RC-28-H4			89-2007		
					RC-28-H842			89-2001		IEB 88-11
					RC-28-H843			89-2002		
					RC-28-H844			89-2003		
		Two	2	2	RC-28-H842			91-2270		
					RC-28-H843			91-2269		
					RC-28-H844			91-2271		
		Three	3	3	RC-28-H003			95-2334		
					RC-28-H004			95-2341		
					RC-28-H843			95-2429		
		21 SD Cooling 1	One	7	7	RC-28-H2			96-2201	PSE PSE
						RC-28-H2			97-2040	
						RC-51-H1			90-2364	
						RC-51-H2			90-2453	
	RC-51-H3							90-2290		
	RC-51-H821							90-2365		
	SI-240-H10							88-2162		
	SI-240-H11							88-2163		
	SI-240-H13							88-2164		
	Two		7	7	RC-51-H4			91-2274		
					RC-51-H5			91-2275		
					SI-240-H2			91-2277		
					SI-240-H12			91-2276		
					SI-240-H822			91-2282		
					SI-240-H823			91-2284		
					SI-240-H824			91-2283		
					SI-240-H1			95-2063		
					SI-240-H3			95-2064		
	22 SD Cooling 2	One	4	4	RC-68-H5			90-2259		
					RC-68-H6			90-2260		
					SI-193-H17			90-2261		
					SI-193-H19			90-2262		
Two		5	5	SI-193-H8			91-2375			
				SI-193-H9			91-2362			
				SI-193-H20			91-2366			
				SI-193-H23			91-2363			
				SI-193-H25			91-2364			
Three	4	4	RC-068-H1			93-2628	PSE			
			RC-068-H2			95-2167				
			RC-068-H3			95-2168		Snub. Reduction PSE-Snub. Reduct.		
			RC-068-H4			95-2322				
SI-193-H9			95-2147	PSE-Snub. Reduct. PSE-Snub. Reduct.						
SI-193-H23			95-2243							
						95-2242				

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
BIWF	23 Safety Injection 1A	One	2	2	SI-207-H3			90-2444		
					SI-207-H5			90-2445		
		Two	2	2	SI-207-H3				91-2530	PSE-SNUB. REDUC.
					SI-207-H7			93-2117		
					SI-207-H11			93-2368		
					SI-207-H1			95-2125		
	Three	2	2	SI-207-H2				95-2113	Snub. Reduction	
				SI-207-H3			96-2200			
				SI-207-H3			96-2200			
	24 Safety Injection 1B	One	2	2	SI-223-H3			88-2166		
					SI-223-H4			88-2380		
		Two	2	2	SI-223-H1				91-2285	PSE-SNUB. REDUC.
					SI-223-H1			91-2511		
		Three	4	4	SI-223-H2				91-2286	
					SI-223-H5			95-2015	Snub. Reduction	
	SI-223-H6						95-2018	Hanger voided		
	SI-223-H7						95-2014	Snub. Reduction		
	25 Safety Injection 2A	One	2	2	SI-156-H7			88-2402		
					SI-156-H9			88-2168		
		Two	3	3	SI-160-H1				93-2089	
					SI-160-H2			93-2090	DCN-REMOVED	
		Three	2	2	SI-160-H3				93-2091	DCN-REMOVED
					SI-160-H5			95-2463	Snub. Reduction	
	26 Safety Injection 2B	One	3	3	SI-160-H4			96-2085		
SI-160-H5							96-2095	Snub. Reduction		
Two		3	3	SI-179-H9				88-2170		
				SI-179-H10			88-2171			
				SI-179-H11			88-2172			
				SI-175-H21			91-2281			
Three	2	2	SI-175-H22				91-2512	PSE-SNUB. REDUC.		
			SI-175-H23			91-2287				
			SI-175-H23			91-2288				
27 PZR Spray 1A	One	9	9	SI-179-H7			95-2022	Snub. Reduction		
				SI-179-H8			95-2017			
				RC-62-H26			90-2455			
				RC-62-H27			88-2202			
				RC-62-H28			88-2203			
				RC-62-H29			88-2204			
	Two	9	9	RC-62-H30				88-2205		
				RC-62-H31			88-2206			
				RC-62-H32			88-2207			
				RC-62-H33			88-2208			
				RC-62-H34			88-2209			
				RC-16-H5			93-2118			
RC-16-H6	9	9	RC-16-H6				93-2020			
			RC-16-H7			93-2021				
			RC-16-H8			93-2105	DCN-REMOVED			
			RC-16-H15			93-2353	Reject			
			RC-16-H15			93-2662	Re-exam			
			RC-62-H35			93-2038				
RC-62-H36			93-2017							

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
BIWF	27 PZR Spray 1A	Two			RC-62-H37			93-2018				
					RC-62-H38			93-2019	Rejcct			
								93-2452	Re-exam			
								93-2653	PSE			
								93-2376				
								93-2374				
								93-2375				
								93-2439				
								93-2655	PSE			
								93-2432				
								93-2429				
								93-2654	PSE			
								93-2435				
								93-2433				
								93-2434				
								93-2666				
								93-2665				
								93-2664				
								93-2428				
								93-2430				
				93-2431								
				93-2436								
				93-2437								
			Three	8	8	RC-62-H20			96-2370	Snub. Reduction		
						RC-62-H21			96-2371			
						RC-62-H22			96-2372	Snub. Reduction		
						RC-62-H23			96-2373			
						RC-62-H24			96-2374			
						RC-62-H25			96-2375	Snub. Reduction		
						RC-62-H38			96-2355	PSE		
						RC-62-H39			96-2376	PSE		
						RC-62-H40			96-2377	Snub. Reduction		
		28 PZR Spray 1B	One	8	8	RC-17-H24			88-2335			
	RC-17-H34							88-2211				
	RC-17-H36							88-2212				
	RC-17-H38							88-2213				
	RC-17-H39							88-2214				
	RC-17-H40							88-2215				
	RC-17-H41							88-2216				
	RC-17-H42							88-2217				
	RC-17-H39					Two	8	8			93-2618	PSE
	RC-17-H41										93-2619	PSE
	RC-17-H43										93-2022	
	RC-17-H44										93-2023	
	RC-17-H45										93-2024	
	RC-17-H46						93-2025					
	RC-18-H9						93-2114					
	RC-18-H10						93-2115					
	RC-18-H11						93-2314	Reject				
							93-2633	Re-exam				
	RC-18-H12						93-2116					

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks		
BIWF	28 PZR Spray 1B	Three	11	11	RC-18-H11			95-2531	Re-exam Snub. Reduction		
					RC-17-H25			96-2385			
					RC-17-H26			96-2378			
					RC-17-H27			96-2386			
					RC-17-H28			96-2387			
					RC-17-H29			96-2366			
					RC-17-H30			96-2379			
					RC-17-H31			96-2380			
					RC-17-H32			96-2381			
					RC-17-H33			96-2382			
					RC-17-H46			96-2356			
					RC-17-H47			96-2383			
					RC-17-H48			96-2384			
					29 PZR Combined Spray	One	2	2		RC-18-H16	
	RC-18-H18			88-2219							
		Two	1	1	RC-18-H17			93-2026			
					RC-18-H18			93-2656			
	30 Aux PZR Spray	Three	2	2	CH-521-HA			95-2249	PSE		
					CH-521-HA			96-2357			
					CH-521-HB			95-2250			
	32 Drain 1A	One	2	2	RC-60-HA			88-2256			
					RC-60-HB			88-2173			
	33 Drain 1B	Two	2	2	RC-58-HA			91-2343			
					RC-58-HB			91-2345			
	34 Drain 2A	Two	2	2	RC-96-HA			91-2344			
					RC-96-HB			91-2342			
	35 Drain 2B	Three	2	2	RC-89-HE			95-2145			
					RC-89-HF			95-2172			
	36 Letdown	One	9	9	RC-91-H1			88-2351	Snub. Reduction		
					RC-91-H5			88-2344			
					RC-91-HAA			88-2179			
					RC-91-HAK			88-2180			
					RC-91-HB			88-2174			
					RC-91-HD			88-2175			
					RC-91-HE			88-2176			
					RC-91-HY			88-2177			
RC-91-HZ							88-2178				
Two					10	10	RC-91-H2				93-2445
							RC-91-H6				93-2444
							RC-91-HAJ				93-2447
							RC-91-HAP				93-2446
							RC-91-HAQ				93-2443
							RC-91-HP				93-2448
							RC-91-HQ				93-2442
							RC-91-HR				93-2650
							RC-91-HS				93-2651
Three	11	11	RC-91-HT			93-2652					
			CH-1-HA			96-2009					
			RC-91-HAB			96-2362					
			RC-91-HAC			96-2361					
			RC-91-HAD			96-2354					

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
BIWF	36 Letdown	Three			RC-91-HAM			96-2363		
					RC-91-HAN			96-2360		
					RC-91-HF			96-2364		
					RC-91-HJ			96-2359		
					RC-91-HU			96-2010		
					RC-91-HV			96-2011		
	37 Charging	One		14	14	RC-91-HW			96-2007	
						CH-5-H2			88-2222	
									90-2368	PSE
						CH-5-H3			90-2223	
						CH-5-H10			88-2224	PSE
						CH-5-H25			88-2225	
						CH-5-H26			88-2226	
						CH-5-H27			88-2227	
						CH-5-H28			88-2228	
						CH-5-H30			88-2229	
						CH-5-H34			88-2230	
						CH-5-H35			88-2231	
						CH-5-H36			88-2232	
						CH-5-H42			88-2233	
		CH-5-H43			88-2234					
		CH-5-H44			88-2235					
		CH-5-HAA			88-2236					
		Two		14	14	CH-5-H9			93-2598	
						CH-5-H13			93-2093	
						CH-5-H16			93-2095	DCN-REMOVED
						CH-5-H17			93-2097	
						CH-5-H18			93-2096	
						CH-5-H19			93-2098	
						CH-5-H20			93-2099	
									93-2620	PSE
						CH-5-H21			93-2101	
						CH-5-H22			93-2100	
						CH-5-H23			93-2103	DCN-REMOVED
						CH-5-H24			93-2102	DCN-REMOVED
		CH-5-H32			93-2279	use as is MNCR 93-CH-2016				
	Three		15	15	CH-5-H37			93-2092		
CH-5-H38							93-2576	PSE		
CH-5-H45							93-2094	DCN-REMOVED		
CH-5-H46							93-2104	DCN-REMOVED		
CH-5-H4							96-2125			
CH-5-H6							96-2136	Snub. Reduction		
CH-5-H7							96-2126			
CH-5-H8							96-2127			
CH-5-H9							96-2128			
CH-5-H10							96-2138	Snub. Reduction		
CH-5-H11							96-2129			
CH-5-H12							96-2130			
CH-5-H14							96-2131			
CH-5-H15							96-2139	Snub. Reduction		

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
BIWF	37 Charging	Three			CH-5-H33			96-2132				
					CH-5-H38			96-2133				
					CH-5-H39			96-2134				
					CH-5-H40			96-2137	Snub. Reduction			
					CH-5-H41			96-2135	Snub. Reduction			
	38 Drain Line Loop 1	Two	0		RC-70-HA			93-2657	PSE			
											Three	2
	39 HPSI 1	One	4	4	SI-248-H19			88-2403	PSE			
					SI-248-H26			88-2181				
					SI-248-H27			88-2182				
					SI-248-H28			88-2183				
					SI-248-H30			88-2184				
					Two	5	5	SI-248-H17			91-2328	
								SI-248-H18			91-2280	
								SI-248-H19			91-2279	
								SI-248-H20			91-2278	
								SI-248-H29			91-2327	
					Three	5	5	SI-248-H21			95-2144	
								SI-248-H22			95-2083	
								SI-248-H23			95-2082	
SI-248-H24										95-2080		
SI-248-H25										95-2081		
40 HPSI 2	One	3	3	SI-199-H13			90-2263					
				SI-199-H14			90-2264					
				SI-199-H21			90-2265					
				Two	4	4	SI-199-H15			91-2369		
							SI-199-H16			91-2368		
							SI-199-H17			91-2367		
				Three	2	2	SI-199-H18			91-2513	Re-exam	
SI-199-H17			95-2241				PSE-Snub. Reduct.					
SI-199-H22			95-2085									
SI-199-H23			95-2086									
C 1.10	41 SG 1	One	1				1	41-3	90-2416			
					90-2417							
					90-2418							
				41-4	90-2419							
					90-2420							
	42 SG 2	Three	1	1	42-3	96-2251			270° to 0° to 90°			
						96-2253						
						96-2255						
					42-4	96-2284			42' to 0' to 11'			
						96-2285						
	68 Reg HT Exch.	One	1	1	68-7	90-2372						
					68-5	93-2458						
					68-3	96-2050						
	69 Letdown HT Exch.	One	50%	50%	69-1	88-2330			12:00 to 3:00 to 6:00			
					69-1	96-2001			6:00 to 9:00 to 12:00			

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
C 1.10	84 SD Cooling 1	Two	50%	50%	74-123	91-2218			examined from 12:00 thru 3:00 to 6:00
						91-2226			
						91-2232			
	87 SD Cooling 2	Three	50%	50%	75-78	95-2043			Examined 180° thru 270° thru 360°
						95-2061			
						95-2068			
C1.20	41 SG 1	One	50%	50%	41-5	90-2422			examined 180° thru 360°
						90-2423			
						90-2424			
	42 SG 2	Three	50%	50%	42-5	96-2294			42' to 0' to 11'
						96-2338			
						96-2339			
	68 Reg HT Exch.	One	1	1	68-6	90-2371			
		Three	1	1	68-4	96-2051			
		One	50%	50%	41-1	90-2413			
C 1.30	41 SG 1	One	50%	50%	41-1	90-2414			examined 180° thru 360°
						90-2415			
						90-2415			
	42 SG 2	Two	*50%	*50%	41-1	93-2601			*combination of two welds to obtain 50% coverage
						93-2604			
						93-2607			
	42 SG 2	Two	*50%	*50%	42-1	93-2079			
						93-2080			
						93-2081			
	68 Regen HT Exch	Three	1	1	42-11	96-2227			Stay Cylinder
						96-2228			
						96-2229			
	68 Regen HT Exch	Two	2	2	68-1	93-2456			
						93-2457			
		Three	2	2	68-8	96-2052			
	69 Letdown HT Exch.	One	50%	50%	69-2	88-2329			12:00 to 3:00 to 6:00
		Three	50%	50%	69-2	96-2002			
		Two	50%	50%	74-124	91-2219			
	84 SD Cooling 1	Two	50%	50%	74-124	91-2224			examined from 12:00 thru 3:00 to 6:00
						91-2224			
						91-2231			
	87 SD Cooling 2	Three	50%	50%	75-79	95-2044			Examined 180° thru 270° thru 360°
						95-2062			
						95-2069			
C 2.21 & 2.22	41 SG 1	One	1	1	41-16	90-2373	90-2358		
		Two	2	2	41-9	93-2602	93-2575		
						93-2605			
						93-2612			
						93-2614			
						93-2614			
					41-10	93-2603	93-2575		Inner radius
						93-2606			
						93-2613			
					41-15	93-2615			Inner radius
						93-2367			
						93-2327			
						93-2359			Extra exam

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks				
C 2.21 & 2.22	41 SG 1	Three	0	0	41-9	95-2140			Nozzle Bore				
						95-2142			Nozzle Bore				
					41-10	95-2141			Nozzle Bore				
						95-2143			Nozzle Bore				
	42 SG 2	One Three	1 3	1 3	42-16	90-2350	90-2331						
					42-7	96-2157	96-2266						
						96-2159							
						96-2161							
							97-2036			Inner radius-Limit to surf. exam.RR#10			
					42-8	96-2158	96-2266						
						96-2160							
						96-2162							
							97-2036			Inner radius-Limit to surf. exam.RR#10			
								42-17	96-2252	96-2288			
84 SD Cooling 1	Two	1	1	74-122	96-2254								
					96-2256								
					91-2220	91-2204							
					91-2225								
87 SD Cooling 2	Three	1	1	75-76	91-2233								
					91-2203								
					95-2045	95-2070			Inner radius 90°&270°limitation				
					95-2060				90°&270°limitation				
					95-2067				90°&270°limitation				
C 3.10	41 SG 1	One	1	1	41-42		90-2381						
	42 SG 2	Two	1	1	42-42		93-2209						
	68 Regen HT Exch	Two Three	1 1	1 1	68-10 68-11 68-10		93-2216						
							93-2451						
							96-2049						
							97-2003						
										Re-exam			
C 3.20	43 MS SG 1-90	One	1	1	SG-36-H17		88-2287						
		Two	1	1	SG-36-H12		93-2132						
		Three	4	4	SG-36-H13		96-2226						
					SG-36-H14		96-2152						
					SG-36-H15		96-2152						
					SG-36-H16		96-2193						
							97-2064			Repaired acceptable indication in U2R6 PSE			
							97-2065						
							97-2281						
		44 MS SG 1-270	Two	3	3	SG-33-H14		93-2133					
						SG-33-H15		93-2133					
						SG-33-H16		93-2133					
						Three	2	2	SG-33-H12		96-2225		
									SG-33-H13		96-2225		
45 MS SG 2-270	One	3	3	SG-42-H14		88-2378							
				SG-42-H15		88-2378							
				SG-42-H16		88-2379							



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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
C 3.20	45 MS SG 2-270	Two	1	1	SG-42-H12		93-2170		
		Three	1	1	SG-42-H17		96-2082		
	46 MS SG 2-90	Two	2	2	SG-45-H12		93-2299		
					SG-45-H13		93-2668		
		Three	3	3	SG-45-H14		96-2080		
					SG-45-H15		96-2080		
					SG-45-H16		96-2081		
							97-2035		
	54 FW SG 1	Three	1	1	SG-2-H1		96-2291		
					SG-2-H1		97-2041		Reject
							97-2043		Re-exam
	55 FW SG 2	One	1	1	SG-5-H9		90-2425		
		Three	1	1	SG-5-H1		96-2155		
							97-2042		
	62 Aux & FW SG1	Two	1	1	AF-18-H1		93-2425		
		Three	0	0	AF-18-H1		97-2037		
	64 Blowdown SG 1	One	3	3	SG-39-H15		90-2288		
					SG-39-H17		90-2288		
					SG-53-H1		90-2360		
		Two	1	1	SG-39-H1		93-2597		
		Three	2	2	SG-39-H28		96-2223		
					SG-39-H15		97-2266		
					<b>SG-39-H22</b>		<b>98-2171</b>		
					<b>SG53H5</b>		<b>99-2046</b>		<b>CRDR980765</b>
	65 Blowdown SG 2	One	2	2	SG-48-H20		90-2289		
					SG-52-H1		90-2344		
		Two	3	3	SG-48-H20		91-2492		
					SG-48-H14		93-2329		
							93-2330		
					SG-48-H16		93-2411		
					SG-48-H26		93-2210		
		Three	2	2	SG-48-H1		96-2222		
					SG-52-H5		*96-2222		*Limitation due to
							*97-2039		restraint. RR#14
					SG-48-H16		97-2265		
					<b>SG-48-H17</b>		<b>99-2047</b>		<b>CRDR980765</b>
					<b>SG48H5</b>		<b>99-2201</b>		<b>CRDR980765</b>
							<b>99-2256</b>		
	71 LPSI Discharge 1	One	1	1	SI-87-H11		88-2038		
	76 CS Suction 1	One	1	1	SI-9-H4		88-2005		
	77 CS Disch. 1	Three	1	1	SI-79-H7		95-2197		
	80 CS Disch. 2	Three	1	1	SI-119-H5		95-2033		
	82 SD Cooling 1	Three	1	1	SI-78-H4		95-2465		
							<b>99-2196</b>		<b>Delete from category</b>
	83 SD Cooling 1	Two	2	2	SI-87-H4		91-2176		
					SI-90-H1		91-2177		
		Three	2	2	SI-70-H1		95-2213		
					SI-70-H6		95-2211		
	86 SD Cooling 2	Three	2	2	SI-72-H1		95-2042		
					SI-72-H12		95-2228		

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
C 3.20	88 SD Cooling 2	One	1	1	SI-72-H13		88-2065			
	89 LPSI Suction 2	One	1	1	SI-194-H14		88-2068			
	91 SD Cooling 1		One	4	4	SI-70-H9		88-2331		
		SI-70-H11					88-2153			
		SI-70-H12					88-2311			
		SI-70-H16					88-2153			
		SI-241-H21					88-2152			
	92 LPSI Suction 1		One	1	1	SI-241-H16		91-2221		
			Two	2	2	SI-239-H1		91-2237		
						SI-241-H16		91-2237		
	93 CS Discharge 1	Two	1	1	SI-89-H13		91-2470			
	94 SD Cooling 1		Two	2	2	SI-70-H5		91-2016		
						SI-70-H8		91-2026		
	95 LPSI Suction 2	Three	1	1	SI-194-H6		95-2114			
	96 LPSI Header 1A		Three	1	1	SI-202-H17		95-2227		
		SI-202-H5					99-2045		CRDR980765	
99 LPSI 2B	Two	1	1	SI-174-H13		91-2437				
100 CSP-LPSI Suct. 1		One	1	1	SI-369-H1		88-2290			
		Two	1	1	84-5		91-2526			
101 LPSI Suction B	Three	1	1	85-5		95-2329				
C 3.30	72 LPSI Pump 1	One	2	2	72-3B		88-2036			
					72-3C		88-2036			
		Two	1	1	72-3A		91-2477			
	75 LPSI Pump 2	Two	1	1	73-3A		91-2495			
					73-3B		91-2495			
					73-3C		91-2498			
		Three	2	2	73-3A		95-2008			
					73-3B		95-2008			
				73-3C		95-2008				
	78 CS Pump 1	One	2	2	80-3B		88-2001			
					80-3C		88-2001			
	81 CS Pump 2	Two	1	1	80-3A		91-2493			
		Two	1	1	81-3A		91-2496			
					81-3B		91-2497			
					81-3C		91-2494			
	Three	2	2	81-3A		95-2012				
				81-3B		95-2012				
				81-3C		95-2012				
C 4.40	47 MS SG 1 270	One	20	20	UV170		88-2251			
	48 MS SG 1 90	One	20	20	UV180		88-2252			
	49 MS SG 2 270	Three	20	20	UV171		95-2385			
	50 MS SG 2 90	Three	20	20	UV181		95-2386			
	56 FW SG 1	Two	20	20	UV132		91-2302			
			20	20	UV174		91-2303			
	57 FW SG 2	Three	20	20	UV137		95-2515			
		20	20	UV177		95-2514				
C 5.11 & 5.12	58 Aux & FW SG 1	One	1	1	58-1		88-2370	88-2349		
		Two	*2(5)	2(5)	58-12		91-2352	91-2332	*() Identifies augment exam(IEB79-13 & SER83-07)	
					58-13		91-2351	91-2332		
					58-16		91-2353	91-2336		
					58-16A		91-2354	91-2336		
					58-1		93-2360	93-2171		

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
C 5.11 & 5.12	58 Aux & FW SG 1	Two			58-24	93-2073	93-2015			
					58-25	93-2072	93-2015			
		Three	*0(5)	0(5)	58-1	96-2316	96-2183			
					58-12	96-2173	96-2027			
					58-13	96-2045	96-2060			
					58-16	96-2030	96-2027			
					58-16A	96-2031	96-2027			
					59-1	88-2369	88-2347			
					59-12	91-2356	91-2331			
					59-13	91-2355	91-2330			
	59 Aux & FW SG 2	One	1	1	59-1	88-2369	88-2347			
		Two	*3(5)	3(5)	59-12	91-2356	91-2331			
					59-13	91-2355	91-2330			
						N/A	91-2529		Reject Re-exam	
					59-16	91-2358	91-2337			
					59-16A	91-2357	91-2337			
					59-1	93-2361	93-2172			
					59-18	93-2224	93-2002			
					59-24	93-2255	93-2002			
						93-2397	N/A			
					59-25	93-2074	93-2002			
					59-13	N/A	95-2403		Re-exam	
					59-1	96-2314	96-2184			
			59-3	96-2315	96-2289					
			59-11	96-2035	96-2028					
			59-12	96-2034	96-2028					
			59-13	96-2046	96-2121					
			59-14	96-2047	96-2121					
			59-16	96-2032	96-2036					
			59-16A	96-2033	96-2036					
C 5.21 & 5.22	43 MS SG 1 90	One	3	3	43-1	88-2306	88-2287			
					43-2	88-2320	88-2287			
					43-22	88-2323	88-2287			
		43 MS SG 1 270	Three	2	2	43-24	96-2276	96-2156		
								97-2016	Longseam	
					43-25	96-2277	96-2156			
		44 MS SG 1 270	One	3	3	44-26	88-2307	88-2288		
					44-28	88-2308	88-2288			
					44-30	88-2304	88-2288			
		45 MS SG 2 270	Two	1	1	44-5	93-2231	93-2133		
	Three		2	2	44-1	96-2340	96-2225			
					44-2	96-2341	96-2225			
		45 MS SG 2 270	Two	2	2	45-1	93-2187	93-2136		
				45-2	93-2186	93-2135				
Three	3		3	45-22	96-2278	96-2083				
	46 MS SG 2 90				45-24	96-2279	96-2083			
				45-25	96-2280	96-2083				
One		2	2	46-25	88-2321	88-2280				
	46 MS SG 2 90				46-27	88-2322	88-2280			
Two		2	2	46-1	93-2188	93-2134				
				46-2	93-2189	93-2174		Reject (surf) Re-exam		
					N/A	93-2351				

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks		
C 5.21 & 5.22	46 MS SG 2 90	Three	1	1	46-2	N/A	95-2397		Re-exam		
					46-28	96-2281	96-2079				
							97-2017	Longseam			
54 FW SG 1	One	One	5	5	54-25A	90-2384	90-2359				
					54-27	90-2385	90-2359				
					54-41	90-2245	90-2244				
					54-49	90-2246	90-2244				
					54-50	90-2247	90-2244				
					Two	7	7	41-44	93-2609	93-2599	
								54-1	93-2608	93-2574	
									93-2610	N/A	
								54-2	N/A	93-2577	
								54-9	93-2180	93-2084	
								54-10	93-2208	93-2084	
								54-11A	93-2141	93-2082	
					Three	4	4	54-59	93-2275	93-2016	
								54-60	93-2274	93-2236	
								41-43	96-2321	96-2181	
									97-2272	97-2004	
								41-44	96-2320	N/A	
									97-2273	97-2004	
								54-1	96-2319	N/A	
										97-2004	
								54-15	96-2322	96-2181	
		97-2004									
55 FW SG 2	One	5	5	54-51	96-2296	96-2224					
				54-52	96-2297	96-2224					
				42-44	90-2341	90-2330					
				42-43	90-2343	90-2330					
				55-11	90-2338	90-2330					
				55-12	90-2339	90-2329					
				55-15	90-2340	90-2330					
				55-26	90-2342	90-2329					
				Two	3	3	55-38	93-2190	93-2083		
							55-39	93-2191	93-2083		
							55-41	93-2192	93-2083		
				Three	7	7	55-45	93-2409	93-2298		
								N/A	93-2460		
							55-45	N/A	95-2375	UT limited (added 55-45 to program)	
							42-43	96-2318	N/A	Reject (surf)	
		97-2271	Re-exam								
42-44	96-2324	96-2182	Re-exam								
		97-2270									
55-1	96-2323	96-2182									
55-15	96-2317	N/A									
55-43	96-2298	96-2078									
55-53	96-2299	96-2141									
55-54	96-2300	96-2141									
55-59	96-2301	96-2155									
55-60	96-2302	96-2155									

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
C5.21 & 5.22	58 Aux & FW SG 1	One	3	3	58-19	88-2297	88-2381			
					58-20	88-2296	88-2289			
					41-39	90-2392	90-2391			
		Three	2	2	41-39	N/A	96-2183			
					58-33	96-2086	96-2026			
					58-34	96-2087	96-2026			
	59 Aux & FW SG 2	One	2	2	59-33	88-2295	88-2258			
					59-34	88-2294	88-2258			
					59-16C	93-2227	93-2001			
		Two	2	2		93-2226	N/A			
						59-20	93-2225	93-2001		
						42-39	96-2290	96-2184		
	62 Aux & FW SG 1	One	1	1	62-24	88-2085	88-2056			
					Two	2	2	62-4	N/A	93-2241
			62-5	93-2290	93-2241					
			62-6	93-2291	93-2402		Reject (surf) Re-exam			
		Three	2	2	62-6	N/A	95-2450		Re-exam	
					62-12	96-2216	96-2186			
		62-13	96-2215	96-2186						
	63 Aux & FW SG 2	One	1	1	63-4	88-2086	88-2057			
					Two	2	2	63-22	93-2293	93-2234
			63-23	93-2292	93-2234					
		Three	2	2	63-29	96-2217	96-2187			
					63-30	96-2218	96-2187			
64 Blowdown SG 1		One	2	2	64-30	90-2374	90-2360			
	64-29				90-2375	90-2360				
	Two	4	4	64-1	93-2357	93-2362				
				64-2	93-2358	93-2328				
		64-8	93-2355	93-2363						
		64-15	93-2356	93-2364						
65 Blowdown SG 2	One	4	4	64-11	96-2332	96-2223				
				64-20	96-2333	96-2223				
		64-52	96-2334	96-2223						
		64-53	96-2335	96-2223						
	Two	3	3	65-22	90-2346	90-2344				
				65-24	90-2347	90-2344				
	65-27	90-2348	90-2331							
	65-28	90-2349	90-2331							
Three	4	4	65-49	93-2228	93-2401					
			65-51	93-2229	93-2173					
			65-52	93-2230	93-2173					
			65-1	96-2368	96-2222					
			65-2	96-2369	96-2222					
			65-13	96-2336	96-2222					
	65-29	96-2337	96-2222							
C 6.20	49 PSV Valve	Three	1	1	V554		97-2290			
					V556		97-2291			
	86 BW Gate Valve 6"	Three	1	1	V464		96-2194			
	89 BW Gate Valve 16"	Three	1	1	V656		96-2195			

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
C 7.10	Pressure Vessels	One	All	All	Press Bound			*	*91-2008, 91-2009,91-2015,
C 7.30	Piping								91-2017, 91-2025,91-2028,
C 7.50	Pumps								91-2038, 91-2040,91-2042,
C 7.70	Valves								91-2043
C 7.10	Pressure Vessels	Two	All	All	Press Bound			**	**94-2007,94-2012,94-2017
C 7.30	Piping								94-2020,94-2024,94-2035
C 7.50	Pumps								***94-2031,95-2609,95-2622
C 7.70	Valves								96-2004,96-2390,97-2005,
C 7.10	Pressure Vessels	Three	All	All	Press Bound			***	97-2009,97-2010,97-2013
C 7.30	Piping								97-2282,97-2285,97-2289
C 7.50	Pumps								98-2003,98-2004,98-2005
C 7.70	Valves								98-2007,98-2009,98-2010
C 7.20	Pressure Vessels	Three	All	All	Press Bound			****	98-2012,98-2015,98-2016
C 7.40	Piping								98-2017,98-2019,98-2021
C 7.60	Pumps								98-2022,98-2023,98-2024
C 7.80	Valves								98-2029
									**** ,97-2005,
									97-2009,97-2013,97-2282,
									97-2285,97-2289,97-2296,
									97-2297,97-2300,97-2301,
									97-2303,97-2304,97-2306,
									97-2307,97-2308,97-2311,
									97-2312,98-2001,98-2003,
									98-2004,98-2005,98-2007,
									98-2009,98-2010,98-2012,
									98-2015,98-2016,98-2017,
									98-2019,98-2021,98-2022,
									98-2023,98-2024,98-2029,
									RR#15: 99-2211,99-2212
CIWF	41 SG 1	One	2	2	41-41				90-2429
					41-42				90-2430
	42 SG 2	Two	2	2	42-41				93-2311
					42-42				93-2310
									93-2661
		Three	0	0	42-42				95-2339
	43 MS SG 1 90	One	3	3	SG-36-H17				88-2281
					SG-36-H884				88-2282
					SG-36-H885				88-2283
		Two	2	2	SG-36-H11				93-2462
									93-2659
					SG-36-H12				93-2120
									93-2624
					SG-36-H13				93-2578
									93-2648
					SG-36-H14				93-2623
		Three	4	4	SG-36-H11				95-2103
									95-2587
									96-2312
					SG-36-H13				96-2111
					SG-36-H14				96-2110
					SG-36-H15				96-2109

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
CIWF	43 MS SG 1 90	One			SG-36-H16			96-2108	
		One	2	2	SG-33-H17			88-2237	
	44 MS SG 1 270	One			SG-33-H18			88-2238	
		Two	5	5	SG-33-H14			93-2369	
							93-2647		
					SG-33-H15			93-2370	
					SG-33-H16			93-2371	
					SG-33-H881			93-2372	
					SG-33-H882			93-2373	
					SG-33-H13			93-2449	
								93-2671	PSE
		Three	3	3	SG-33-H11			96-2114	
	SG-33-H12						96-2113	Snub. Reduction	
	45 MS SG 2 270	One	3	3	SG-33-H13			96-2112	Snub. Reduction
					SG-42-H12			88-2422	PSE
					SG-42-H14			88-2266	
					SG-42-H15			88-2285	
		Two	3	3	SG-42-H16			88-2284	
					SG-42-H11			93-2463	Reject
								93-2660	Re-exam
					SG-42-H12			93-2175	
					SG-42-H13			93-2176	
		Three	3	3	SG-42-H15			93-2625	PSE
	SG-42-H11						95-2104	Reject	
							95-2588	Re-exam	
							96-2313	Re-exam	
	46 MS SG 2 90	One	2	2	SG-42-H17			96-2144	
					SG-42-H890			96-2150	
					SG-42-H891			96-2151	
		Two	5	5	SG-45-H17			88-2339	
SG-45-H18							88-2240		
Three		3	3	SG-45-H11			93-2177		
				SG-45-H12			93-2201		
				SG-45-H13			93-2169	Reject	
							93-2621	PSE (stud & 2 nuts only)	
							93-2649	Re-exam/PSE	
						93-2670	PSE		
						93-2663	PSE		
Three	3	3	SG-45-H15			93-2167			
			SG-45-H887			93-2167			
			SG-45-H888			93-2427			
			SG-45-H13			95-2105	Snub. Reduction		
			SG-45-H14			96-2093	Snub. Reduction		
			SG-45-H15			96-2094	Snub. Reduction		
			SG-45-H16			96-2096			
47 MS SG 1 270	One	1	1	SG-206-H1			88-2075		
48 MS SG 1 90	Two	1	1	SG-207-H1			91-2416		
49 MS SG 2 East	Three	1	1	SG-208-H1			95-2451		
50 MS SG 2 West	Three	1	1	SG-209-H1			95-2464		

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
CIWF	51 ADV # 1	One	1	1	SG-59-H6			88-2076				
								90-2108				
	52 ADV # 2	Two	1	1	SG-70-H6			91-2536				
		Three	2	2	SG-84-H6			95-2529				
					SG-103-H6			95-2530				
	53 Steam to Aux FW	One	4	4	SG-81-H1			88-2077				
					SG-81-H2			88-2379				
					SG-83-H1			88-2078				
					SG-83-H2			88-2074				
					Two	2	2	SG-81-H4			91-2406	
								SG-83-H4			91-2407	
		Three	2	2	SG-81-H3			95-2274				
					SG-83-H3			95-2288				
		54 FW SG 1	One	7	7	SG-2-H4			90-2266			
						SG-2-H5			90-2267			
						SG-2-H12			90-2382			
						SG-2-H13			90-2268	Reject		
									90-2394	Reject		
							90-2454	Re-exam				
							90-2269					
							97-2293	PSE				
							90-2270					
							90-2383					
	Two	7	7	SG-2-H806			90-2002					
				SG-13-H1			93-2108					
				SG-13-H802			93-2112					
				SG-2-H10			93-2110					
				SG-2-H11			93-2111					
				SG-2-H806			93-2673					
				SG-2-H811			93-2113					
				SG-2-H9			93-2109					
				Three	6	6	SG-2-H1			96-2088		
							SG-2-H2			96-2089		
							SG-2-H3			96-2090		
							SG-2-H6			96-2091		
			97-2278	PSE								
			96-2092									
			96-2308									
55 FW SG 2	One	9	9	SG-5-H9			90-2311					
				SG-5-H10			90-2310					
				SG-5-H11			90-2312					
				SG-5-H12			90-2313					
				SG-5-H805			90-2314					
				SG-5-H809			90-2003					
							90-2315					
							90-2316					
							90-2317					
							90-2318					
				Two	7	7	SG-14-H804			90-2318		
							SG-5-H4			93-2121		
							SG-5-H5			93-2122		
SG-5-H6			93-2123									



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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks		
CIWF	55 FW SG 2	Two			SG-5-H7			93-2124	Reject Re-exam		
					SG-5-H8			93-2125			
					SG-5-H13			93-2127			
								93-2551			
					93-2126						
					93-2629						
		Three	4	4	SG-5-H13			95-2376		96-2307	Re-exam
					SG-5-H1			96-2154			
					SG-5-H2			96-2153			
					SG-5-H3			96-2153			
		56 FW SG 1 57 FW SG 2 58 Aux & FW SG 1	Two	1	1	SG-5-H808				96-2358	
						SG-202-H1				91-2301	
	SG-205-H2							96-2391			
	Three		1	1	SG-8-H2			90-2386			
					SG-8-H3			90-2387			
					SG-8-H4			90-2388			
	One		7	7	SG-8-H5			90-2389			
					SG-8-H20			90-2390			
					SG-8-H901			90-2426			
					SG-8-H903			90-2427			
					SG-8-H20			90-2427			
					SG-8-H6			91-2376			
					SG-8-H6			93-2345			
					SG-8-H7			93-2347			
					SG-8-H8			93-2003			
	Two	7	7	SG-8-H9			93-2006				
				SG-8-H10			93-2007				
SG-8-H11						93-2008					
SG-8-H17						93-2346					
SG-8-H20						93-2622					
59 Aux & FW SG 2	Three	8	8	SG-8-H12			96-2038	PSE-use as is MNCR 93-SG-2076			
				SG-8-H13			96-2039				
				SG-8-H14			96-2040				
				SG-8-H15			96-2041				
				SG-8-H16			96-2042				
				SG-8-H18			96-2043				
				SG-8-H19			96-2044				
				AF-4-H1			96-2037				
				One	6	6	AF-6-H1				88-2257
							SG-11-H8				88-2261
							SG-11-H9				88-2260
				Two	6	6	SG-11-H10				88-2264
	SG-11-H11						88-2263				
	SG-11-H12						88-2262				
	SG-11-H13						93-2626				
SG-11-H14			93-2005								
SG-11-H15			93-2004								
			SG-11-H16			93-2014					
			SG-11-H18			93-2009					
			SG-11-H19			93-2627					

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks				
CIWF	59 Aux & FW SG 2	Three	10	10	SG-11-H2			96-2018					
					SG-11-H3			96-2019					
					SG-11-H4			96-2020					
					SG-11-H5			96-2021					
					SG-11-H6			96-2022					
					SG-11-H7			96-2023					
					SG-11-H17			96-2024					
					SG-11-H20			96-2025					
					SG-11-H902			96-2305					
					SG-11-H904			96-2306					
					60 Downcomer FW SG 1	One	1	1	SG-200-H9			88-2404	
						Three	2	2	SG-200-H13			96-2189	
									SG-200-H14			96-2188	
61 Downcomer FW SG 2	Two	2	2	SG-203-H13			91-2414						
				SG-203-H14			91-2415						
	Three	1	1	SG-203-H8			95-2327						
62 Aux FW SG 1	One	1	1	AF-4-H3			88-2053						
	Two	1	1	AF-18-H1			93-2309						
	Three	2	2	AF-18-H2			96-2192						
				AF-18-H3			96-2191						
63 Aux FW SG 2	One	2	2	AF-6-H2			88-2055						
				AF-16-H1			88-2054						
	Two	2	2	AF-6-H3			93-2307						
				AF-6-H5			93-2308						
	Three	1	1	AF-6-H4			96-2392						
64 Blowdown SG 1	One	12	12	SG-39-H10			90-2271						
				SG-39-H11			90-2272						
				SG-39-H12			90-2273						
				SG-39-H13			90-2274						
				SG-39-H14			90-2275						
				SG-39-H15			90-2276						
				SG-39-H16			90-2277						
				SG-39-H17			90-2278						
				SG-39-H26			90-2279						
				SG-53-H1			90-2428						
				SG-53-H2			90-2393						
				SG-53-H924			90-2442						
	Two	13	13	SG-39-H1			93-2348						
				SG-39-H2			93-2350						
				SG-39-H3			93-2337	Reject					
							93-2550	Re-exam					
							93-2338						
						93-2343	Reject						
						93-2549	Re-exam						
						93-2341							
						93-2335							
						93-2349							
						93-2340							
						93-2336							
						93-2342							
						93-2344							

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
CIWF	64 Blowdown SG 1	Two	12	12	SG-53-H7			93-2339				
		Three			SG-39-H10			94-2030	Snub. Reduction			
					SG-39-H3			95-2377	Re-exam			
					SG-39-H5			95-2378	Re-exam			
					SG-39-H7			96-2106	Snub. Reduction			
					SG-39-H8			96-2107	Snub. Reduction			
					SG-39-H9			96-2196				
					SG-39-H18			96-2105				
					SG-39-H19			96-2101	Snub. Reduction			
					SG-39-H20			96-2102	Snub. Reduction			
					SG-39-H21			96-2103	Snub. Reduction			
					SG-39-H22			96-2104				
					SG-39-H23			96-2097	Snub. Reduction			
					SG-39-H24			96-2098				
					SG-39-H25			96-2099				
					SG-39-H28			96-2100	Snub. Reduction			
		65 Blowdown SG 2			One	12	12	SG-48-H2			90-2323	
								SG-48-H3			90-2280	
	SG-48-H4							90-2281				
	SG-48-H19							90-2282				
	SG-48-H20							90-2283				
	SG-48-H21							90-2284				
	SG-48-H925							90-2324				
	SG-52-H1							90-2325				
	SG-52-H2							90-2326				
	SG-52-H3							90-2285				
	SG-52-H4							90-2286				
	Two		11	11	SG-52-H923			90-2327				
					SG-48-H20			91-2508				
					SG-48-H13			93-2319				
					SG-48-H14			93-2320				
					SG-48-H15			93-2317				
					SG-48-H16			93-2318				
					SG-48-H17			93-2316	Reject			
				93-2580	Re-exam							
	Three	13	13	SG-48-H18			93-2315					
SG-48-H22						93-2464	Reject					
						93-2616	Re-exam					
SG-48-H23						93-2501	Reject					
						93-2617	Re-exam					
SG-48-H24						93-2323						
SG-48-H25						93-2322						
SG-48-H26						93-2321						
SG-48-H11						94-2029	Snub. Reduction					
SG-48-H17			95-2379	Re-exam								
SG-48-H22			95-2398	Re-exam								
SG-48-H23			95-2380	Re-exam								
SG-48-H1			96-2304	Snub. Reduction								
SG-48-H5			96-2168									
			99-2257									
SG-48-H6			96-2169	Snub. Reduction								

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks				
CIWF	65 Blowdown SG 2	Three			SG-48-H7			96-2170	Snub. Reduction				
					SG-48-H8			96-2171	Snub. Reduction				
					SG-48-H9			96-2167	Snub. Reduction				
					SG-48-H10			96-2165					
					SG-48-H11			96-2166	PSE				
					SG-48-H27			96-2351					
					SG-48-H28			96-2352					
					SG-52-H5			96-2172					
					SG-52-H6			96-2164	Snub. Reduction				
					SG-52-H7			96-2163	Snub. Reduction				
					68 Reg HT Exch.	Two	1	1	68-10			93-2596	
						Three	1	1	68-11			96-2140	
					70 LPSI A Suction	One	1	1	SI-67-H4			88-2027	
						Three	4	4	SI-241-H20			95-2203	
SI-241-H22			95-2202										
SI-307-H16			95-2201										
71 LPSI A Discharge	One	1	1	SI-307-H17			95-2187						
	Two	5	5	SI-87-H11			88-2026						
				SI-78-H1			91-2159						
				SI-78-H2			91-2246						
				SI-87-H1			91-2172						
				SI-87-H2			91-2188						
				SI-87-H3			91-2161						
							91-2539	Re-exam					
			95-2193										
72 LPSI Pump A	Three	1	1	SI-78-H3			95-2193						
	One	2	2	72-3B			88-2025						
				72-3C			88-2025						
73 LPSI B Suction	Two	1	1	72-3A			91-2490						
	Two	1	1	SI-308-H14			91-2169						
	Three	4	4	SI-034-H4			95-2024						
							97-2062	PSE					
				SI-194-H1			95-2027						
			SI-308-H12			95-2025							
			SI-308-H13			97-2279	PSE						
74 LPSI B Discharge	Three	6	6	SI-129-H1			95-2026	PSE					
							97-2280	PSE					
							95-2035	Reject					
							95-2522	Re-exam					
							95-2036						
							95-2037						
							95-2038						
							95-2039						
							95-2040						
							96-2203	Re-exam					
75 LPSI B Discharge	Two	1	1	SI-129-H1			96-2203	Re-exam					
				73-3A			91-2499						
				73-3B			91-2499						
	Three	2	2	73-3C			91-2499						
				73-3A			95-2010						
				73-3B			95-2010						
				73-3C			95-2010						

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
CIWF	76 CS Pump A Suction	One	1	1	SI-9-H4			88-2002		
		Three	3	3	SI-67-H1			95-2192		
					SI-67-H2			95-2191		
					SI-67-H3			95-2190		
	77 CS Pump A Disch.	One	4	4	SI-79-H1			88-2010		
					SI-79-H2			88-2009		
					SI-79-H3			88-2008		
		Two	3	3	SI-79-H4			88-2007		
					SI-79-H5			91-2153		
					SI-79-H6			91-2160		
		Three	3	3	SI-82-H2			91-2171		
					SI-79-H7			95-2198		
					SI-79-H8			95-2199		
	78 CS Pump A	One	2	2	80-3B			88-2003		
					80-3C			88-2003		
		Two	1	1	80-3A			91-2501		
	79 CS Pump B Suction	One	3	3	SI-34-H1			88-2253		
								97-2052	PSE	
					SI-34-H2			88-2254		
		Two	2	2				97-2053	PSE	
					SI-34-H3			88-2255		
								97-2054	PSE	
		Three	2	2	SI-33-H4			91-2151		
								97-2051	PSE	
					SI-33-H3			93-2300		
		80 CS Pump B Disch.	One	3	3	SI-119-H7			88-2045	
						SI-119-H8			88-2044	
SI-119-H9								88-2046		
Two	4	4	SI-119-H1			91-2165				
			SI-119-H2			91-2167				
			SI-119-H3			91-2166				
			SI-119-H4			91-2168				
						91-2538	Re-exam			
						95-2034				
81 CS Pump B	Two	1	1	SI-119-H5			95-2031			
				SI-119-H6			95-2032			
				SI-147-H1			95-2032			
	Three	2	2	81-3A			91-2500			
				81-3B			91-2500			
				81-3C			91-2500			
82 SD Cooling A	One	2	2	81-3A			95-2013			
				81-3B			95-2013			
				81-3C			95-2013			
Three	1	1	SI-78-H5			88-2022				
			SI-79-H10			88-2006				
			SI-78-H4			95-2466				

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
CIWF	83 SD Cooling A	One	4	4	SI-87-H9			88-2021		
					SI-89-H1			88-2012		
					SI-89-H2			88-2014		
					SI-89-H3			88-2013		
		Two	3	3	SI-87-H4			91-2174		
					SI-90-H1			91-2179		
					SI-90-H2			91-2139		
					SI-87-H8			93-2635	PSE	
		Three	12	12	SI-70-H1			95-2126		
					SI-70-H2			95-2208		
					SI-70-H3			95-2209		
					SI-70-H6			95-2248		
					SI-70-H7			95-2169		
					SI-82-H1			95-2207		
					SI-87-H5			95-2124		
	SI-87-H6						95-2119			
	SI-87-H7						95-2121			
	SI-87-H8						95-2120			
	SI-87-H8						96-2177	PSE		
	85 SD Cooling B	One	3	3	SI-119-H10			88-2050		
					SI-123-H6			88-2041		
					SI-123-H7			88-2043		
		Two	6	6	SI-119-H11			91-2141		
					SI-119-H13			91-2140		
					SI-119-H14			91-2143		
					SI-123-H2			91-2145		
					SI-123-H5			91-2149		
					SI-123-H8			91-2148		
		Three	1	1	SI-123-H1			95-2030		
		86 SD Cooling B	One	3	3	SI-129-H10			88-2048	
SI-129-H11								88-2047		
SI-129-H12								88-2051		
Two			7	7	SI-72-H5			91-2147		
					SI-72-H6			91-2146		
	SI-129-H7						91-2152			
	SI-129-H8						91-2154			
	SI-135-H1						91-2163			
	SI-135-H2						91-2162			
	SI-135-H3						91-2164			
Three	15		15	SI-72-H1			95-2230			
				SI-72-H2			95-2232			
		SI-72-H3				95-2233				
		SI-72-H4				95-2231				
						97-2277	PSE			
		SI-72-H12				95-2229				
		SI-129-H9				95-2091				
		SI-129-H13				95-2093				
			SI-134-H1			95-2239				
			SI-134-H2			95-2238				

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks			
CIWF	86 SD Cooling B	Three			SI-134-H3			95-2240				
					SI-134-H5			95-2090				
					SI-134-H6			95-2089				
					SI-134-H7			95-2088				
					SI-134-H8			95-2094				
	88 LPSI B	One	8	8	SI-147-H2			95-2087				
					SI-72-H11			88-2070				
					SI-72-H13			88-2071				
					SI-72-H14			88-2069				
					SI-72-H21			88-2063				
					SI-72-H22			88-2064				
					SI-73-H1			88-2067				
					SI-73-H2			88-2072				
					SI-73-H3			88-2073				
					SI-72-H20	Two	0	0				93-2636
89 LPSI B	One	4	4	SI-72-H15			95-2133					
				SI-72-H16			95-2129					
				SI-72-H17			95-2130					
				SI-72-H18			95-2132					
				SI-72-H19			95-2131					
				SI-72-H20			95-2128	Reject				
				SI-194-H12			95-2589	Re-exam				
				SI-194-H13			96-2190	Re-exam				
				SI-194-H14			88-2059					
				SI-194-H23			88-2060					
90 CS B	Three	1	1	SI-194-H14			88-2061	PSE				
				SI-173-H1			88-2062					
				SI-134-H9			95-2092					
91 LPSI A	Two	2	2	SI-134-H10			91-2144					
				SI-70-H9			91-2150					
92 LPSI A	One	7	7	SI-70-H10			88-2148					
				SI-70-H11			88-2151					
				SI-70-H12			88-2160					
				SI-70-H13			88-2150					
				SI-70-H15			88-2161					
				SI-70-H16			88-2149					
				SI-71-H2	Two	2	2				88-2159	
				SI-71-H3							91-2156	
				SI-70-H14	Three	1	1				91-2157	
				SI-239-H3							95-2309	Reject
92 LPSI A	One	5	5	SI-239-H1			95-2521	Re-exam				
				SI-239-H2			96-2199	Re-exam				
				SI-241-H12			88-2155					
				SI-241-H14			88-2155					
				SI-241-H15			97-2295	PSE				
				SI-241-H21			88-2156					
				SI-239-H1			88-2158					
				SI-239-H2			88-2154					
				SI-239-H1	Two	5	5				88-2157	
				SI-239-H2							91-2222	
							91-2170					

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
CIWF	92 LPSI A	Two			SI-241-H9			91-2238	
					SI-241-H11			91-2239	
					SI-241-H16			91-2542	Re-exam
		Three	2	2	SI-2-H1			91-2236	
					SI-2-H5			95-2118	
	93 CS Discharge 1	Two	2	2	SI-89-H10			95-2116	
					SI-89-H13			91-2155	
		Three	2	2	SI-89-H11			91-2440	
								95-2123	Reject
								95-2590	Re-exam
								96-2198	Re-exam
	94 LPSI A	One	3	3	SI-89-H12			95-2122	
					SI-89-H7			88-2042	
					SI-89-H8			88-2049	PSE
								88-2110	
		Two	7	7	SI-89-H9			88-2052	
					SI-70-H4			91-2240	
					SI-70-H5			91-2018	
					SI-70-H8			91-2029	
					SI-241-H6			91-2197	
					SI-241-H7			91-2196	
					SI-241-H8			91-2241	
					SI-241-H17			91-2242	
		Three	5	5	SI-89-H6			95-2188	
					SI-241-H2			95-2237	
					SI-241-H3			95-2236	
					SI-241-H4			95-2234	
					SI-241-H5			95-2235	
	95 LPSI B	One	6	6	SI-72-H8			88-2089	
					SI-72-H10			88-2090	
					SI-134-H11			88-2039	
					SI-134-H12			88-2040	
					SI-194-H3			88-2091	
								97-2057	PSE
					SI-194-H5			88-2092	
								97-2058	PSE
		Two	10	10	SI-72-H7			91-2195	
					SI-72-H9			91-2194	
					SI-194-H4			91-2189	
					SI-194-H7			91-2228	
								97-2059	PSE
					SI-194-H8			91-2229	
					SI-194-H9			91-2193	
								91-2540	Re-exam
					SI-194-H10			91-2010	
					SI-194-H11			91-2198	
					SI-194-H15			91-2012	
								97-2060	PSE
					SI-194-H21			91-2190	
								97-2061	PSE



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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
CIWF	95 LPSI B	Three	3	3	SI-194-H2			95-2117	
					SI-194-H6			95-2115	
					SI-134-H4			95-2189	
	96 LPSI To Loop 1A	One	3	3	SI-202-H7			88-2187	
					SI-202-H8			88-2188	
					SI-202-H9			88-2189	
		Two	8	8	SI-202-H2			92-2004	
					SI-202-H3			91-2290	
								91-2516	PSE-SNUB. REDUC.
					SI-202-H4			91-2289	
					SI-202-H5			91-2261	
								91-2514	removed snubber red.
		Three	7	7	SI-202-H6			91-2260	
					SI-202-H10			91-2292	
					SI-202-H11			91-2291	
					SI-202-H12			91-2515	PSE-SNUB. REDUC.
					SI-202-H15			92-2003	
					SI-202-H1			95-2221	
	SI-202-H12						95-2225		
	SI-202-H13						95-2224	Snub. Reduction	
	SI-202-H14						95-2223	Snub. Reduction	
	97 LPSI To Loop 1B	One	10	10	SI-202-H16			95-2222	
					SI-202-H17			95-2340	
					SI-202-H18			95-2220	
					SI-220-H8			90-2291	
					SI-220-H9			88-2190	
					SI-220-H10			88-2191	
					SI-220-H11			88-2192	
					SI-220-H12			88-2193	
					SI-220-H13			88-2194	
		Two	7	7	SI-220-H14			88-2195	
					SI-220-H15			88-2196	
					SI-220-H19			88-2197	
SI-220-H22							88-2198		
SI-220-H1							91-2333		
							91-2518	Re-exam	
SI-220-H7							91-2519	PSE-SNUB. REDUC.	
SI-220-H12							91-2521	PSE-SNUB. REDUC	
SI-220-H16							91-2326		
Three	10	10	SI-220-H17			91-2320			
			SI-220-H18			91-2323			
			SI-220-H20			91-2322			
			SI-220-H21			91-2316			
			SI-220-H24			91-2522	PSE-SNUB. REDUC.		
			SI-220-H27			91-2520	PSE-SNUB. REDUC.		
			SI-220-H28			91-2317			
			SI-220-H29			91-2517	PSE-SNUB. REDUC.		
			SI-220-H3			95-2101	Snub. Reduction		
			SI-220-H5			95-2275			
SI-220-H6			95-2215	Snub. Reduction					
SI-220-H7			95-2096						

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks	
CIWF	97 LPSI To Loop 1B	Three			SI-220-H23			95-2102		
					SI-220-H24			95-2100		
					SI-220-H25			95-2216		
					SI-220-H26			95-2099		
					SI-220-H27			95-2097		
	98 LPSI To Loop 2A	One	2	2	SI-220-H29			95-2098		
					SI-155-H5			88-2199		
		Two	5	5	SI-155-H6			88-2200		
					SI-155-H1			91-2315		
					SI-155-H2			91-2324		
					SI-155-H3			91-2318		
					SI-155-H4			91-2314		
					SI-155-H6			91-2523		
					SI-155-H7			91-2325		
					SI-174-H7			91-2438		
	99 LPSI To Loop 2B	Two	5	5	SI-174-H8			91-2510	PSE-SNUB. REDUC.	
								91-2524		
								91-2321		
								91-2319		
								91-2436		
		Three	5	5	SI-174-H9			91-2321		
					SI-174-H10			91-2319		
					SI-174-H13			91-2436		
					SI-174-H4			95-2171		
					SI-174-H5			95-2170		
					SI-174-H6			95-2217		
					SI-174-H11			95-2383		
					SI-174-H12			95-2328		
					SI-241-H19			88-2185		
					SI-369-H1			88-2186		
100 LPSI A Suction	One	2	2	84-5			91-2527			
				SI-194-H18			93-2658			
101 LPSI B Suction	Two	1	1	SI-194-H16			95-2372	PSE Snub. Reduction Snub. Reduction		
	Three	8	8	SI-194-H18			95-2371			
				SI-194-H22			95-2384			
				SI-194-H25			95-2373			
				SI-194-H26			95-2374			
				SI-368-H1			95-2368			
				SI-368-H2			95-2369			
				85-5			95-2417			
				FR 5.11 & 5.12	70 LPSI A Suction & 73 LPSI B Suction	One	3		3	70-58
	70-69	88-2082	88-2037							
70-104	88-2084	88-2037								
70-103	91-2465	91-2448								
70-44	91-2460	91-2447								
Two	4	4	70-46	91-2461		91-2447				
			70-61	91-2503		91-2505				
			70-56	98-2028		98-2027				
			71-55	95-2050		95-2019				
			71-69	95-2049		95-2020				
Three	3	3	71-110	95-2046		95-2021				

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ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
FR 5.11 & 5.12	71 LPSI B Discharge & 74 LPSI B Discharge	One	3	3	72-5	88-2079	88-2036		
					72-6	88-2080	88-2036		
					72-8	88-2081	88-2036		
		Two	3	3	72-18	91-2474	91-2463		
	74-45				91-2475	91-2464			
	74-46				91-2476	91-2464			
		Three	2	2	73-8	95-2150	95-2007		
	73-30				95-2139	95-2134			
	80-10				88-2020	88-2004			
	76 CS A Suction & 79 CS B Suction	One	2	2	80-16	88-2016	88-2004		
					81-12	91-2502	91-2485		
					81-15	91-2235	91-2005		
		Three	2	2	81-1	95-2048	95-2011		
	81-8				95-2047	95-2011			
	82-1				88-2018	88-2011			
	77 CS A Discharge & 80 CS B Discharge	One	3	3	82-1A	88-2019	88-2011		
					82-2	88-2017	88-2011		
					82-15	91-2245	91-2459		
		Two	4	4	82-16	91-2244	91-2459		
	82-31				91-2243	91-2459			
	83-1A				91-2487	91-2486			
		Three	4	4	83-2	95-2151	95-2009		
	83-3				95-2155	95-2009			
	83-16				95-2156	95-2009			
		One	2	2	83-30	95-2157	95-2009		
	72-48				88-2033	88-2024			
	72-61				88-2031	88-2024			
	82 SD Cooling A & 85 SD Cooling B	Two	4	4	72-52	91-2210	91-2199		
						N/A	91-2200		
					73-36	91-2187	91-2183		
		Three	1	1	73-37	91-2186	91-2184		
	73-63				91-2185	91-2182			
	73-54				95-2164	95-2079			
	83 SD Cooling A & 86 SD Cooling B	One	6	6	74-19	88-2035	88-2015		
					74-21	88-2029	88-2015		
					74-74	88-2032	88-2023		
		Two	3	3	74-87	88-2030	88-2015		
	74-100				88-2028	88-2023			
	74-105				88-2034	88-2015			
		Three	9	9	74-1	91-2211	91-2173		
					N/A	91-2201			
	74-3				91-2181	91-2175			
		Three	9	9	74-117	91-2214	91-2208		
					91-2227	N/A			
	74-118				91-2180	91-2178			
		Three	9	9	75-11	95-2051	95-2059		
					75-14	95-2052	95-2057		
					75-60	95-2159	95-2058		
					75-61	95-2161	95-2058		

UT limited  
(added weld 74-117  
to program)

APPENDIX A

INSERVICE INSPECTION SUMMARY REPORT

ASME Item no	Zone Comp/sys	Insp per	Amt Req	Amt Comp	Item ID	Vol	Reports Surf	Visual	Remarks
FR 5.11 & 5.12	83 SD Cooling A & 86 SD Cooling B				75-62	95-2162	95-2055		
					75-87	95-2152	95-2056		
					83-40	95-2158	95-2205		
					83-41	95-2160	95-2205		
					75-2	96-2185	96-2175		
	88 East Wrap & 91 West Wrap	One	2	2	74-44	88-2273	88-2146		
		Two	2	2	76-2	88-2277	88-2145		
					77-8	91-2223	91-2217		
	Three	1	1	79-1	95-2206	95-2127			
	89 East Wrap & 92 West Wrap &	One	4	4	70-2	88-2278	88-2147		
					70-16	N/A	88-2152		No UT inaccess
					70-17	88-2275	88-2152		
					70-80	88-2276	88-2152		
		Two	1	1	70-85	88-2274	88-2152		
		Three	3	3	71-79	91-2234	91-2202		
					71-88	95-2148	95-2095		
	90 East Wrap & 93 West Wrap	Two	4	4	71-91	95-2149	95-2095		
					70-19	97-2019	97-2018		Weld added
					83-55	91-2213	91-2207		
					83-56	91-2212	91-2206		
					83-59	91-2209	91-2205		
	94 A Train 88' & 95 B Train 88'	One	2	2	82-64	93-2284	93-2181		
					82-47	88-2094	88-2088		
Three		2	2	82-48	88-2095	88-2088			
				71-34	95-2194	95-2196			
				71-36	95-2195	95-2196			
100 LPSI A Suction & 101 LPSI B Suction	One	1	1	70-134	88-2302	88-2290			
	Two	2	2	70-116	91-2379	91-2378		*required between	
71-130				91-2509	91-2507		2 zones		
Three				4	4	71-112	95-2324	95-2108	
				71-113	95-2323	95-2109			
				71-140	95-2219	95-2218			
FR 5.21 & 5.22	88 East Wrap	One	1	1	85-3	96-2367	95-2321		
		Two			78-16	88-2269	88-2066		
	93 West Wrap	Two	3	3	84-9	91-2247	91-2230		
					76-25	95-2326	95-2165		
					76-27	95-2344	95-2165		
	96 Cont. LPSI 1A	Three	3	3	76-47	95-2345	95-2165		
					77-22	91-2405	91-2381		
					77-27	91-2404	91-2382		
	97 Cont.LPSI 1B	Two	3	3	77-28D	91-2395	91-2382		
					78-45	88-2301	88-2265		
78-47					88-2300	88-2265			
98 Cont. LPSI 2A	One	2	2	72-49A		88-2024			
				75-13	95-2163	95-2054			
FR 5.31 & 5.32	82 SD Cooling A 86 SD Cooling B 91 West Wrap	One	1	1	74-102		88-2146		
		Three	1	1					
		One	1	1					

APPENDIX B

INSERVICE INSPECTION  
CODE LIMITATIONS

FIRST INTERVAL INSERVICE INSPECTION

CODE LIMITATIONS

NO CODE LIMITED EXAMINATIONS

APPENDIX C

FORM  
NIS-1

## OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

1. OWNER ARIZONA PUBLIC SERVICE COMPANY, ET AL  
ADDRESS P.O. BOX 52034 PHOENIX, ARIZONA
2. PLANT PALO VERDE NUCLEAR GENERATING STATION  
ADDRESS 5801 S WINTERSBURG RD TONOPAH, ARIZONA
3. UNIT NUMBER: 2
4. OWNERS' CERTIFICATE OF AUTHORIZATION
5. COMMERCIAL SERVICE DATE: September 19, 1986
6. COMPONENTS INSPECTED:

COMPONENT OR APPURTENANCE	MANUFACTURER OR INSTALLER	SERIAL NUMBER	STATE OR PROVINCE	NATIONAL BOARD NO
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THE ITEMS EXAMINED, WITH EXAMINATION REPORT NUMBERS, ARE LISTED IN APPENDIX A. ALL OF THE EXAMINATION REPORT NUMBERS SINCE THE SEVENTH REFUELING OUTAGE ARE NUMBERED WITH A 97-2XXX, 98-2XXX OR 99-2XXX REPORT NUMBER AND ARE IN BOLD PRINT.



## OWNERS' DATA REPORT FOR INSERVICE INSPECTIONS

7. EXAM DATES 10-28-97 TO 4-19-99
8. INSPECTION INTERVAL FROM 9-19-86 TO 3-17-98
9. ABSTRACT OF EXAMINATIONS. INCLUDE A LIST OF EXAMINATIONS AND A STATEMENT CONCERNING STATUS OF WORK REQUIRED FOR CURRENT INTERVAL.  
THE ITEMS EXAMINED, WITH EXAMINATION REPORT NUMBERS, ARE LISTED IN APPENDIX A. THE EXAMINATIONS ARE LISTED BY ASME ITEM NUMBERS WITH CORRESPONDING EXAMINATION REPORT NUMBERS. ALL OF THE EXAMINATION REPORT NUMBERS SINCE THE SEVENTH REFUELING ARE NUMBERED WITH A 97-2XXX, 98-2XXX OR 99-2XXX REPORT NUMBER AND ARE IN BOLD PRINT.
10. ABSTRACT OF CONDITIONS NOTED  
THERE ARE NO OUTSTANDING REJECTABLE ITEMS IN UNIT 2.
11. ABSTRACT OF CORRECTIVE MEASURES RECOMMENDED AND TAKEN  
SEVERAL REPAIRS AND REPLACEMENTS HAVE BEEN PERFORMED SINCE COMMERCIAL OPERATIONS DUE TO ROUTINE AND CORRECTIVE MAINTENANCE. WORK WAS PERFORMED IN ACCORDANCE WITH ASME SECTION XI AND APS WORK CONTROL PROCEDURES. ALL DOCUMENTS ARE MAINTAINED AT PALO VERDE.

WE CERTIFY THAT THE STATEMENTS MADE IN THIS REPORT ARE CORRECT AND THE EXAMINATIONS AND CORRECTIVE MEASURES TAKEN CONFORM TO THE RULES OF THE ASME CODE, SECTION XI.

DATE 8/11/99 SIGNED: ARIZONA PUBLIC SERVICE COMPANY BY Michael R. Melby

## CERTIFICATE OF INSERVICE INSPECTION

I, THE UNDERSIGNED, HOLDING A VALID COMMISSION ISSUED BY THE NATIONAL BOARD OF BOILER AND PRESSURE VESSEL INSPECTORS AND THE STATE OR PROVINCE OF ARIZONA EMPLOYED BY HSBI & I CO. OF HARTFORD, CONNECTICUT HAVE INSPECTED THE COMPONENTS DESCRIBED IN THIS OWNERS REPORT DURING THE PERIOD 10-28-97 TO 4-19-99, AND STATE THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE OWNER HAS PERFORMED EXAMINATIONS AND TAKEN CORRECTIVE MEASURES DESCRIBED IN THIS OWNERS REPORT IN ACCORDANCE WITH THE REQUIREMENTS OF THE ASME CODE, SECTION XI. BY SIGNING THIS CERTIFICATE NEITHER THE INSPECTOR NOR HIS EMPLOYER MAKES ANY WARRANTY, EXPRESSED OR IMPLIED, CONCERNING THE EXAMINATIONS AND CORRECTIVE MEASURES DESCRIBED IN THIS OWNERS REPORT. FURTHERMORE, NEITHER THE INSPECTOR NOR HIS EMPLOYER SHALL BE LIABLE IN ANY MANNER FOR ANY PERSONAL INJURY OR PROPERTY DAMAGE OR A LOSS OF ANY KIND ARISING FROM OR CONNECTED WITH THIS INSPECTION.

INSPECTOR *Robert A. Hyatt* COMMISSIONS NS 9685 "N" "I" Az. 269  
DATE 8-11-99 NAT'L BOARD, STATE, PROVINCE