

**BYRON**

**UNIT 2**

**Exelon<sup>SM</sup>**

Nuclear

**B2R13**

*Spring 2007 Outage*

**INSERVICE INSPECTION SUMMARY  
REPORT**

**For Inspection Activities  
from  
October 12, 2005  
to  
May 3, 2007**

Commercial Service Date  
August 21, 1987

Document Completion Date  
July 10, 2007

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**B2R13****INSERVICE INSPECTION SUMMARY REPORT**

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## 1.0 INTRODUCTION

Inservice inspections of American Society of Mechanical Engineers (ASME) Class 1, 2, 3, CC, and MC components were conducted at Byron Station Unit 2 from October 12, 2005 through May 3, 2007. The majority of these inspections were performed during the thirteenth refueling outage (B2R13) from April 2 through May 3, 2007.

The examinations were performed in compliance with the rules and regulations of ASME Section XI, Division 1, *Rules for Inservice Inspection of Nuclear Power Plant Components*, (applicable edition and addenda), pursuant to the requirements of 10 CFR 50.55a, *Codes and Standards*.

This summary report meets the requirements of ASME Code, IWA-6000 for the inspection of Class 1 and 2 components and piping. Class CC and MC components in the Containment Inservice Inspection (CISI) program are included when examination results require reporting as specified in 10 CFR 50.55a. See 7.0 in this section for a listing of referenced documents.

The Nondestructive Examination (NDE) Inservice Inspection (ISI) Program Plan for Class 1, 2, and 3 components was developed in accordance with the requirements and intent of Section XI Subsections IWA, IWB, IWC, IWD, IWE, IWF and IWL, 2001 Edition, through the 2003 Addenda.

In addition to the ASME Section XI requirements of examination, certain Nuclear Regulatory Commission (NRC) augmented ISI inspections were required. The Byron Station Unit 2 augmented ISI examination requirements include:

- a) Class 1 pressure boundary for leakage at nominal operating pressure, in accordance with NRC Generic Letter 88-05, *Boric Acid Corrosion of Carbon Steel Reactor Pressure Boundary Components in PWR Plants*;
- b) Class 2 and 3 pressure boundary for leakage at nominal operating pressure, in accordance with NUREG 0737, *Clarification of TMI Action Plan Requirements*;

Note: Specific requests for relief were developed and submitted for the NRC's review when the code and/or augmented requirement(s) were deemed to be impractical, results in excessive hardship, or an alternative examination method is determined as more suitable for the particular component.

### 1.1 Identification of Examination Requirements

The Section 7.0 of the ISI Program Plan contains the examination program tables. These tables are presented in a tabular format consistent with the tables found in Subsections IWB, IWC, IWD, IWE, IWF, and IWL-2500 of the ASME Code. The examination tables include the corresponding code category, item number, and component/weld selection in conformance with examination requirements and intent of Subsection IWA, IWB, IWC, IWD, IWE, IWF, and IWL of Section XI of the ASME Code.

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For Class 1, 2, and certain non-class piping components, the requirements of Risk Informed Inservice Inspection (RI-ISI) are followed using EPRI TR112657 and Table 1 of ASME Code Case N-578-1.

### 1.2 Identification of Exempted Components

ASME Class 1, 2, and 3 components, or parts of components, that are not included in the examination tables and that are exempt from examination, as specified in Section XI Paragraphs IWB, IWC, and IWD-1200, *Components Exempt from Examination*, and Tables IWB-2500-1, IWC-2500-1, and IWD-2500-1, are identified in the NDE Program Plan in conjunction with technical justification(s) for exempting the component/system.

Class 1 or 2 piping welds exempted by IWB and IWC-1200 are not included in the RI-ISI program. Previous selection and examination exemptions identified in Tables IWB and IWC-2500-1 for Examination Categories B-F, B-J, C-F-1, and C-F-2, are not allowed under the requirements of the RI-ISI program. With the adoption of RI-ISI, welds evaluated as Risk Category 6 or 7 are not required to be subject to examination.

### 1.3 Implementation of the ISI Program

Exelon Nuclear, or its designee, visually examined ASME components utilizing the following test methods: VT-1, VT-2, and VT-3. The components examined comply with the ISI Program Schedule, Byron Station Technical Specifications, and/or comply with the ASME Section XI Repair/Replacement Program.

Certified personnel performed and evaluated visual examinations (i.e., VT-1, VT-2, and VT-3) of Class 1, 2, and 3 components, and supports. Exelon Nuclear personnel certification procedures comply with the requirements of ANSI/ASNT CP-189, 1995 Edition and ASNT SNT-TC-1A, 1984 Edition.

Certified personnel performed and evaluated all NDE. Personnel were certified to the requirements of the ASNT SNT-TC-1A, 1984 Edition. Additionally, ultrasonic examiners were certified in accordance with ANSI/ASNT CP-189, 1995 Revision. The NDE procedures were developed and certified in conformance with ASME Section V and XI as applicable.

All ISI NDE, including evaluation of flaw indications, were performed in accordance with the requirements stipulated under Section XI, Subarticle IWA-2200 *Examination Methods*. For components incorporated into the RI-ISI program, the guidance for the examination volume for a given degradation mechanism is provided by the EPRI Topical Report while the guidance for the examination method is provided by Code Case N-578-1.



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**1.4 Second and Third 10-Year Inspection Intervals**

The 13<sup>th</sup> fuel cycle for Unit 2 encompasses a time span of October 12, 2005 to May 3, 2007. Activities that occurred prior to January 16, 2006 were performed during the Third Inspection Period of the Second Inspection Interval. Activities that occurred on or after January 16, 2006 were performed during the First Inspection Period of the Third Inspection Interval.

**1.5 Significant Section XI Activities During B2R13**

During the refueling outage, the Alloy 600 pressurizer safe-end welds were overlaid with PWSCC resistant Alloy 690 material. Full structural weld overlays on the surge, spray, relief, and safety nozzles were completed. Baseline (PSI) examinations were performed on the overlays using qualified procedures, equipment, and personnel. The weld overlays allowed the performance of qualified examinations to meet the requirements specified in MRP-139.

The 2nd 10-year inspection of the reactor vessel was completed during B2R13. The performance of this examination in the First Inspection Period of the Third Inspection Interval was authorized with Relief Request I3-01 (ML062280606). The personnel, equipment, and procedures used for these examinations are qualified in accordance with EPRI's Performance Demonstration Initiative (PDI). The B2R13 examinations comply with the requirements of ASME Section XI, Appendix VIII, 2001 Edition, as specified by 10CFR50.55a(b)(2)(xxiv).

**1.6 ASME Section XI Code Cases**

The following code cases are incorporated into the current Byron Station ISI Program and were utilized during the 13<sup>th</sup> fuel cycle.

N-460     *Alternative Examination Coverage for Class 1 and Class 2 Welds.*

N-566-2   *Corrective Action for Leakage Identified at Bolted Connections.*

N-624     *Successive Inspections.*

The following code cases were used in the examination of the Unit 2 reactor vessel and associated safe-end welds.

N-613-1   *Ultrasonic Examination of Penetration Nozzles in Vessels, Examination Category B-D, Item Nos. B3.10 and B3.90, Reactor Nozzle-to-Vessel Welds, Figs. IWB-2500-7(a), (b), and (c).*

N-648-1   *Alternative Requirements for Inner Radius Examinations of Class 1 Reactor Vessel Nozzles.*

N-695     *Qualification Requirements for Dissimilar Metal Piping Welds.*

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The following code case is used for the implementation of the risk-informed program as described in relief request I3R-02.

N-578-1 *Risk-Informed Requirements for Class 1, 2, or 3 Piping, Method B.*

Portions of the following cases were utilized as described in relief request I3R-08 for the full structural weld overlays applied to the pressurizer safe-end welds:

N-504-2 *Alternative Rules for Repair of Classes 1, 2, and 3 Austenitic Stainless Steel Piping.*

N-638-1 *Similar and Dissimilar Metal Welding Using Ambient Temperature Machine GTAW Temper Bead Technique.*

Repair/replacement activities that occurred prior to January 16, 2006 were in the Second Inspection Interval under the 1989 Edition of the ASME Code.

### 1.7 Witness and Verification of Examination

The inservice inspections were witnessed and/or verified by the Authorized Nuclear Inservice Inspectors (ANII): Greg Feigel, Jeff Hendricks, and Lee Malabanan. These inspectors are associated with Hartford Steam Boiler Inspection and Insurance Company of Connecticut, Chicago Branch, at 2443 Warrenville Rd., Suite 500, Lisle, Illinois 60532.

## 2.0 EXAMINATION SUMMARIES

The following section lists the summaries of examinations performed during the refueling cycle. Refer to Section 2.0 for each summary table for information or for specific tests and examinations conducted during this term.

- Welds & Components Summaries
  - Inservice Inspection - Weld / Component Listing
  - Inservice Inspection - Bolts, Pumps, and Valves Listing
  - Preservice Inspection - Weld / Component Listing
  - Preservice Inspection - Bolts, Pumps, and Valves Listing
- System Pressure Test Summaries
- Component Support Examination Summary
- Component Snubber Test Summary

## 3.0 UNIT 2 EXAMINATION COMPLETION STATUS

A summary table of the examination status of Class 1, 2, and 3 components is contained in Section 3.0.

#### 4.0 FORM NIS-1 DATA SHEETS

ASME Form NIS-2, *Owners Report for Inservice Inspections*, were filed during the cycle for Unit 2. See Section 4.0 for the reports.

#### 5.0 FORM NIS-2 DATA SHEETS

ASME Form NIS-2, *Owners Report for Repairs or Replacements*, were filed during the cycle for Unit 2. See Section 5.0 for the reports.

#### 6.0 CONTAINMENT ISI PROGRAM

Reportable conditions were identified for Class CC and Class MC components during this fuel cycle. The reporting requirements in 10CFR50.55a (b)(2)(viii)(E) and (b)(2)(ix)(A) are applicable for this summary report. See Section 6.0 for these condition reports.

#### 7.0 REFERENCED DOCUMENTS

##### 7.1 Code of Federal Regulations, Title 10 Energy

Part 50, *Domestic Licensing of Production and Utilization Facilities*  
50.55a, *Codes and Standards*

##### 7.2 American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code

Section V, *Nondestructive Examination*, 2001 Edition, through 2003 Addenda.  
Section XI, *Rules for Inservice Inspection of Nuclear Power Plant Components*, 1989 Edition (for 2<sup>nd</sup> Inspection Interval repair/replacement activities).  
Section XI, *Rules for Inservice Inspection of Nuclear Power Plant Components*, 2001 Edition, through 2003 Addenda (for all 3<sup>rd</sup> Inspection Interval activities).

##### 7.3 American National Standards Institute / American Society for Nondestructive Testing

ANSI/ASNT CP-189, 1995 Edition, *Standard for Qualification and Certification of Nondestructive Testing Personnel*

##### 7.4 American Society for Nondestructive Testing

ASNT Recommended Practice No. SNT-TC-1A, 1984 Edition, *Personnel Qualification and Certification in Nondestructive Testing*

7.5 Miscellaneous NRC Documents

Generic Letter 88-05, *Boric Acid Corrosion of Carbon Steel Reactor Pressure Boundary Components in PWR Plants*.

NUREG 0737, *Clarification of TMI Action Plan Requirements*.

7.6 Electric Power Research Institute

Material Reliability Program *Primary System Piping Butt Weld Inspection and Evaluation Guideline* (MRP-139) July 14, 2005.

Topical Report TR112657 Revision B-A, *Revised Risk-Informed Inservice Inspection Procedure*, December 1999.

## Weld / Component Outage Summary

**SYSTEM:** Chemical & Volume Control System (CV)

Section XI		Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.		Description		Requests	Notes	Coverage	Exam	Exam	
Comments									
R-A	R1.20	2CV98C-8/C03 Pipe - Elbow	2CV98C-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-119									
R-A	R1.20	2CV98C-8/C04 Elbow - Pipe	2CV98C-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-120									
R-A	R1.11	2CVA3B-2/W-70 Pipe - Elbow	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-005									
R-A	R1.11	2CVA3B-2/W-71 Elbow - Pipe	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-006									
R-A	R1.11	2CVA3B-2/W-72 Pipe - Elbow	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-007									
R-A	R1.11	2CVA3B-2/W-73 Elbow - Pipe	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-008									
R-A	R1.11	2CVA3B-2/W-80 Pipe - Elbow	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-009									
R-A	R1.11	2CVA3B-2/W-81 Elbow - Pipe	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-010									
R-A	R1.11	2CVA5AA-2/W-06 Pipe - Elbow	2CVA5AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-011									
R-A	R1.11	2CVA5AA-2/W-07 Elbow - Pipe	2CVA5AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-012									
R-A	R1.11	2CVA6AA-2/W-04 Pipe - Elbow	2CVA6AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-013									

## Weld / Component Outage Summary

**SYSTEM:** Chemical & Volume Control System (CV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
R-A	R1.11 2CVA6AA-2/W-05 Elbow - Pipe	2CVA6AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-014								
R-A	R1.11 2CVA7AA-2/W-06 Pipe - Elbow	2CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-050								
R-A	R1.11 2CVA7AA-2/W-07 Elbow - Pipe	2CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-051								
R-A	R1.11 2CVA7AA-2/W-08 Pipe - Elbow	2CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-052								

## Weld / Component Outage Summary

**SYSTEM:** Feedwater System (FW)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
R-A	R1.11 2FW03DB-16/C01 R1.18 Valve - Pipe	2FW03DB-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-127								
R-A	R1.11 2FW03DB-16/C02 R1.18 Pipe - Pipe	2FW03DB-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-128								
R-A	R1.11 2FW03DB-16/C03 R1.18 Pipe - Pipe	2FW03DB-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-129								
R-A	R1.11 2FW03DB-16/C04 R1.18 Pipe - Penetration	2FW03DB-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-130								
R-A	R1.11 2FW03DC-16/C01 R1.18 Valve - Pipe	2FW03DC-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-132								
R-A	R1.11 2FW03DC-16/C02 R1.18 Pipe - Penetration	2FW03DC-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-133								
R-A	R1.11 2FW81BC-6/C07 R1.18 Pipe - Tee	2FW81BC-6	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-134								
R-A	R1.11 2FW87CC-6/C01 R1.18 Reducer - Tee	2FW87CC-6	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-135								
R-A	R1.11 2FW87CC-6/C02 R1.18 Tee - Pipe	2FW87CC-6	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-136								
R-A	R1.11 2FW87CC-6/C03 R1.18 Pipe - Pipe	2FW87CC-6	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-137								

## Weld / Component Outage Summary

**SYSTEM:** Main Steam System (MS)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
R-A	R1.20 2MS01AA-30.25/C01 Nozzle - Elbow	2MS01AA-30.25	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-158								
R-A	R1.20 2MS01AA-30.25/C06 Elbow - Pipe	2MS01AA-30.25	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-159								



## Weld / Component Outage Summary

**SYSTEM:** Pressurizer (PZR)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
B-D	B3.110 2RY-01-S/PN-01 Surge Nozzle	2RY-01-S	I3R-12		40	VOL	UT	NRI
OBS 13-160 Scan reduced on nozzle side due to configuration. Scan from head side reduced by nozzle transition and obstructed by PZR heater penetrations.								
B-D	B3.120 2RY-01-S/PN-01-NIR Surge Nozzle Inner Radius	2RY-01-S			100	VOL	UT	NRI
OBS 13-161								

**Weld / Component Outage Summary****SYSTEM:** Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results	
Cat.	Description		Requests	Notes	Coverage	Exam	Exam		
Comments									
R-A	R1.20	2RC01AA-29/J06 SOL - Thermowell	2RC01AA-29	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-015									
R-A	R1.15	2RC-01-R/RPVS-A F1 RPV Nozzle Safe-End HL Loop D	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-100 No ID surface indications seen with ET.									
R-A	R1.15	2RC-01-R/RPVS-B F1 RPV Nozzle Safe-End CL Loop D	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-101 No ID surface indications seen with ET.									
R-A	R1.15	2RC-01-R/RPVS-C F1 RPV Nozzle Safe-End CL Loop C	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-102 No ID surface indications seen with ET.									
R-A	R1.15	2RC-01-R/RPVS-D F1 RPV Nozzle Safe-End HL Loop C	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-103 No ID surface indications seen with ET.									
R-A	R1.15	2RC-01-R/RPVS-E F1 RPV Nozzle Safe-End HL Loop B	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-104 No ID surface indications seen with ET.									
R-A	R1.15	2RC-01-R/RPVS-F F1 RPV Nozzle Safe-End CL Loop B	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-105 No ID surface indications seen with ET.									
R-A	R1.15	2RC-01-R/RPVS-G F1 RPV Nozzle Safe-End CL Loop A	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-106 No ID surface indications seen with ET.									
R-A	R1.15	2RC-01-R/RPVS-H F1 RPV Nozzle Safe-End HL Loop A	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100	VOL	UT	NRI
OBS 13-107 No ID surface indications seen with ET.									

## Weld / Component Outage Summary

**SYSTEM:** Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
<b>Comments</b>								
R-A	R1.20	2RC03AA-27.5/J02A SOL - Thermowell	2RC03AA-27.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-016								
R-A	R1.20	2RC03AA-27.5/J04 SOL - Thermowell	2RC03AA-27.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-017								
R-A	R1.20	2RC13AA-2/W-01 SOL - Pipe	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-026								
R-A	R1.20	2RC13AA-2/W-02 Pipe - Tee	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-027								
R-A	R1.20	2RC13AA-2/W-03 Tee - Reducer	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-028								
R-A	R1.20	2RC13AA-2/W-04 Tee - Pipe	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-029								
R-A	R1.20	2RC13AA-2/W-05 Pipe - Valve	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-030								
R-A	R1.20	2RC13AB-2/W-01 SOL - Pipe	2RC13AB-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-031								
R-A	R1.20	2RC13AC-2/W-01 SOL - Pipe	2RC13AC-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-032								
R-A	R1.20	2RC13AD-2/W-01 SOL - Pipe	2RC13AD-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-033								
R-A	R1.11	2RC14AA-2/W-01 SOL - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-036								

## Weld / Component Outage Summary

**SYSTEM:** Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
<b>Comments</b>								
R-A	R1.11	2RC14AA-2/W-01A Pipe - Tee	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-037								
R-A	R1.11	2RC14AA-2/W-01B Tee - Reducer	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-038								
R-A	R1.11	2RC14AA-2/W-01C Tee - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-039								
R-A	R1.11	2RC14AA-2/W-02 Pipe - Elbow	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-040								
R-A	R1.11	2RC14AA-2/W-03 Elbow - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-041								
R-A	R1.11	2RC14AA-2/W-04 Pipe - Elbow	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-042								
R-A	R1.11	2RC14AA-2/W-05 Elbow - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-043								
R-A	R1.11	2RC14AA-2/W-06 Pipe - Valve	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-044								
R-A	R1.11	2RC14AA-2/W-07 Valve - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-045								
R-A	R1.11	2RC14AA-2/W-08 Pipe - Tee	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-046								
R-A	R1.11	2RC14AA-2/W-09 Tee - Reducer	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-047								

## Weld / Component Outage Summary

**SYSTEM:** Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
<b>Comments</b>								
R-A	R1.11	2RC14AA-2/W-10 Tee - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-048								
R-A	R1.11	2RC14AA-2/W-11 Pipe - Valve	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-049								
R-A	R1.11	2RC16AA-2/W-03 Valve - Pipe	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-053								
R-A	R1.11	2RC16AA-2/W-04 Pipe - Elbow	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-054								
R-A	R1.11	2RC16AA-2/W-05 Elbow - Pipe	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-055								
R-A	R1.11	2RC16AA-2/W-06 Pipe - Elbow	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-056								
R-A	R1.11	2RC16AA-2/W-07 Elbow - Pipe	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-057								
R-A	R1.11	2RC16AB-2/W-04 Pipe - Elbow	2RC16AB-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-058								
R-A	R1.11	2RC16AB-2/W-05 Elbow - Pipe	2RC16AB-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-059								
R-A	R1.20	2RC16AC-2/W-08 Pipe - SOL	2RC16AC-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-024								
R-A	R1.20	2RC16AD-2/W-01 Valve - Pipe	2RC16AD-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-025								

## Weld / Component Outage Summary

**SYSTEM:** Reactor Coolant System (RC)

Section XI		Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.		Description		Requests	Notes	Coverage	Exam	Exam	
Comments									
R-A	R1.11	2RC21AA-8/J07 Pipe - Elbow	2RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-138									
R-A	R1.11	2RC21AA-8/J08 Elbow - Pipe	2RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-139									
R-A	R1.11	2RC21AA-8/J09 Pipe - Elbow	2RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-140									
R-A	R1.11	2RC21AA-8/J10 Elbow - Pipe	2RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-141									
R-A	R1.20	2RC22AA-1.5/W-01 SOL - Pipe	2RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-020									
R-A	R1.20	2RC22AA-1.5/W-05 Elbow - Pipe	2RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-021									
R-A	R1.20	2RC22AC-1.5/W-01 SOL - Pipe	2RC22AC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-022									
R-A	R1.20	2RC22AC-1.5/W-06 Pipe - Tee	2RC22AC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-023									
R-A	R1.20	2RC22AD-1.5/W-01 SOL - Pipe	2RC22AD-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-018									
R-A	R1.20	2RC22AD-1.5/W-08 Pipe - Tee	2RC22AD-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-019									
R-A	R1.20	2RC26A-2/W-01 SOL - Pipe	2RC26A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-034									

## Weld / Component Outage Summary

**SYSTEM:** Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
<b>Comments</b>								
R-A	R1.20	2RC26A-2/W-02 Pipe - Valve	2RC26A-2	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-035								
R-A	R1.11	2RC30AA-1.5/W-01 Valve - Reducer	2RC30AA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-079								

**Weld / Component Outage Summary****SYSTEM:** Residual Heat Removal System (RH)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Comments								
R-A	R1.20	2RH12A-8/C17	2RH12A-8	I3R-02	C5.11	100	VOL-E	UT
		Pipe - Elbow			I3T-01			NRI
					I3T-02			
OBS 13-117								



## Weld / Component Outage Summary

**SYSTEM:** Reactor Pressure Vessel (RPV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
B-N-3	B13.70 2RC-01-R/CORE SUPP STRUCT Core Support Structure	2RC-01-R				VT-3	VT-3	NRI
OBS 13-082								
B-N-2	B13.50 2RC-01-R/INT ATTACH BELTLINE Interior Attachment Within-Beltline	2RC-01-R				VT-1	VT-3	NRI
OBS 13-080								
B-N-2	B13.60 2RC-01-R/INT ATTACH NONBELT Interior Attachment Non-Beltline	2RC-01-R				VT-3	VT-3	NRI
OBS 13-081								
B-N-1	B13.10 2RC-01-R/RPV INTERIOR RPV Interior Surfaces	2RC-01-R				VT-3	VT-3	NRI
OBS 13-083								
B-D	B3.90 2RC-01-R/RPVN-A Nozzle - Shell	2RC-01-R			94	VOL	UT	IND
OBS 13-084 1) 1.50", 2) 2.00", 3) 1.75", 2) 3.25", 1) 1.00", and 1) 2.25" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-01. Scan obstructed by nozzle geometry.								
B-D	B3.100 2RC-01-R/RPVN-A-NIR RPV Nozzle Inner Radius	2RC-01-R		N-648-1		EVT-1	EVT-1	NRI
OBS 13-085								
B-D	B3.90 2RC-01-R/RPVN-B Nozzle - Shell	2RC-01-R			94	VOL	UT	IND
OBS 13-086 5) 1.50", 3) 2.00", 2) 2.25", 1) 2.50", 2) 3.00", and 1) 5.25" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-02. Scan obstructed by nozzle geometry.								
B-D	B3.100 2RC-01-R/RPVN-B-NIR RPV Nozzle Inner Radius	2RC-01-R		N-648-1		EVT-1	EVT-1	NRI
OBS 13-087								
B-D	B3.90 2RC-01-R/RPVN-C Nozzle - Shell	2RC-01-R			94	VOL	UT	IND
OBS 13-088 1) 1.00", 1) 1.25", 6) 1.50", 1) 1.75", 7) 2.00", 4) 2.50", 2) 3.00", 1) 3.25", and 1) 3.50" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-03. Scan obstructed by nozzle geometry.								
B-D	B3.100 2RC-01-R/RPVN-C-NIR RPV Nozzle Inner Radius	2RC-01-R		N-648-1		EVT-1	EVT-1	NRI
OBS 13-089								
B-D	B3.90 2RC-01-R/RPVN-D Nozzle - Shell	2RC-01-R			94	VOL	UT	IND
OBS13-090 3) 1.50", 1) 2.00", 2) 2.25", 2) 2.75", 1) 3.25", and 1) 4.00" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-04. Scan obstructed by nozzle geometry.								

**Weld / Component Outage Summary****SYSTEM:** Reactor Pressure Vessel (RPV)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
<b>Comments</b>								
B-D	B3.100	2RC-01-R/RPVN-D-NIR RPV Nozzle Inner Radius	2RC-01-R	N-648-1		EVT-1	EVT-1	NRI
OBS 13-091								
B-D	B3.90	2RC-01-R/RPVN-E Nozzle - Shell	2RC-01-R		94	VOL	UT	IND
OBS 13-092 1) 1.50", 2) 1.75", 1) 2.50", and 1) 4.00" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-05. Scan obstructed by nozzle geometry.								
B-D	B3.100	2RC-01-R/RPVN-E-NIR RPV Nozzle Inner Radius	2RC-01-R	N-648-1		EVT-1	EVT-1	NRI
OBS 13-093								
B-D	B3.90	2RC-01-R/RPVN-F Nozzle - Shell	2RC-01-R		94	VOL	UT	IND
OBS 13-094 1) 1.25", 1) 1.50", 1) 1.75", 3) 2.00", 2) 2.50", and 3) 3.00" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-06. Scan obstructed by nozzle geometry.								
B-D	B3.100	2RC-01-R/RPVN-F-NIR RPV Nozzle Inner Radius	2RC-01-R	N-648-1		EVT-1	EVT-1	NRI
OBS 13-095								
B-D	B3.90	2RC-01-R/RPVN-G Nozzle - Shell	2RC-01-R		94	VOL	UT	IND
OBS 13-096 1) 1.25", 5) 1.50", 2) 1.75", 2) 2.25", 2) 2.50", and 1) 4.00" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-07. Scan obstructed by nozzle geometry.								
B-D	B3.100	2RC-01-R/RPVN-G-NIR RPV Nozzle Inner Radius	2RC-01-R	N-648-1		EVT-1	EVT-1	NRI
OBS 13-097								
B-D	B3.90	2RC-01-R/RPVN-H Nozzle - Shell	2RC-01-R		94	VOL	UT	IND
OBS 13-098 2) 1.50", 4) 2.00", 1) 2.50", 2) 2.75", 1) 3.00", 2) 4.00", and 1) 5.00" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-08. Scan obstructed by nozzle geometry.								
B-D	B3.100	2RC-01-R/RPVN-H-NIR RPV Nozzle Inner Radius	2RC-01-R	N-648-1		EVT-1	EVT-1	NRI
OBS 13-099								
B-A	B1.30	2RC-01-R/WR-07 Shell - Flange	2RC-01-R		99	VOL	UT	RI
OBS 13-112 1) 0.50" and 1) 0.60" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-10.								
B-A	B1.21	2RC-01-R/WR-16 Lower Head Meridian Weld	2RC-01-R		100	VOL	UT	NRI
OBS 13-108 Scan obstructed by bottom mounted instrumentation nozzles. Coverage per PDI single-sided access qualifications.								

## Weld / Component Outage Summary

**SYSTEM:** Reactor Pressure Vessel (RPV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
B-A	B1.11 2RC-01-R/WR-18 Shell - Shell	2RC-01-R			100	VOL	UT	IND
OBS 13-109 1) 0.60" and 1) 1.10" Mid-wall indications, acceptable per code. Ref: B2R13-RIR-09.								
B-A	B1.11 2RC-01-R/WR-29 Shell - Shell	2RC-01-R	I3R-15		79	VOL	UT	NRI
OBS 13-110 Scan obstructed by core support lugs.								
B-A	B1.11 2RC-01-R/WR-34 Shell - Shell	2RC-01-R			100	VOL	UT	NRI
OBS 13-111								

**Weld / Component Outage Summary****SYSTEM:** Reactor Coolant System (RY)

Section XI		Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.		Description		Requests	Notes	Coverage	Exam	Exam	
Comments									
R-A	R1.20	2RY01B-6/J08 Elbow - Pipe	2RY01B-6	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-148									
R-A	R1.11	2RY11A-14/J08 Pipe - Pipe	2RY11A-14	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-146									
R-A	R1.11	2RY18A-2/W-01 Valve - Pipe	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-001									
R-A	R1.11	2RY18A-2/W-02 Pipe - Elbow	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-002									
R-A	R1.11	2RY18A-2/W-03 Elbow - Pipe	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-003									
R-A	R1.11	2RY18A-2/W-04 Pipe - WOL	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-004									

## Weld / Component Outage Summary

**SYSTEM:** Steam Generator (SG)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
C-B	C2.21	2RC-01-BA/SGN-02 Feedwater Nozzle	2RC-01-BA		100 100	SURF VOL	MT UT	NRI NRI
OBS 13-149 Ref: IR 00614558								
C-B	C2.22	2RC-01-BA/SGN-02-NIR Feedwater Nozzle NIR	2RC-01-BA			VOL	UT	NRI
OBS 13-150								

## Weld / Component Outage Summary

**SYSTEM:** Safety Injection System (SI)

Section XI		Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.		Description		Requests	Notes	Coverage	Exam	Exam	
Comments									
R-A	R1.20	2SI05AB-8/C01 Tee - Elbow	2SI05AB-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-121									
R-A	R1.11	2SI08HA-2/W-01 Reducer - Coupling	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-060									
R-A	R1.11	2SI08HA-2/W-02 Coupling - Pipe	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-061									
R-A	R1.11	2SI08HA-2/W-03 Pipe - Flange	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-062									
R-A	R1.11	2SI08HA-2/W-04 Flange - Pipe	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-063									
R-A	R1.11	2SI08HA-2/W-05 Pipe - Coupling	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-064									
R-A	R1.11	2SI08HA-2/W-06 Coupling - Reducer	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-065									
R-A	R1.11	2SI08JA-1.5/W-01 Reducer - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-066									
R-A	R1.11	2SI08JA-1.5/W-02 Pipe - Elbow	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-067									
R-A	R1.11	2SI08JA-1.5/W-03 Elbow - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-068									
R-A	R1.11	2SI08JA-1.5/W-04 Pipe - Elbow	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 13-069									

## Weld / Component Outage Summary

**SYSTEM:** Safety Injection System (SI)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
<b>Comments</b>								
R-A	R1.11	2SI08JA-1.5/W-05 Elbow - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-070								
R-A	R1.11	2SI08JA-1.5/W-05A Pipe - Valve	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-071								
R-A	R1.11	2SI08JA-1.5/W-05B Valve - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-072								
R-A	R1.11	2SI08JA-1.5/W-06 Pipe - Elbow	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-073								
R-A	R1.11	2SI08JA-1.5/W-07 Elbow - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-074								
R-A	R1.11	2SI08JA-1.5/W-10 Pipe - Flange	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-075								
R-A	R1.11	2SI08JA-1.5/W-11 Flange - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-076								
R-A	R1.11	2SI08JA-1.5/W-14 Pipe - Coupling	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-077								
R-A	R1.11	2SI08JA-1.5/W-15 Coupling - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	VT-2	VT-2	NRI
OBS 13-078								
R-A	R1.20	2SI34A-8/C01 Tee - Pipe	2SI34A-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E UT	NRI
OBS 13-122								
R-A	R1.20	2SI34A-8/C23 Pipe - Elbow	2SI34A-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E UT	NRI
OBS 13-123								

**Weld / Component Outage Summary****SYSTEM:** Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
<b>Comments</b>								
R-A	R1.20 2SI34A-8/C24 Elbow - Pipe	2SI34A-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-124								
R-A	R1.20 2SI82AA-12/C04 Pipe - Elbow	2SI82AA-12	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-115								
R-A	R1.20 2SI82AA-12/C05 Elbow - Pipe	2SI82AA-12	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 13-116								



**Weld / Component Outage Summary****SYSTEM:** Essential Service Water System (SX)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Comments								
C-C	C3.20	2SX07FA-16/C10A Closure Plate 2PC-14	2SX07FA-16	NA	98	SURF	MT	NRI
OBS 13-126 Penetration side obstructed by welded ID plate.								

## Bolts, Pumps, and Valves Outage Summary

**SYSTEM:** Reactor Pressure Vessel (RPV)

Section XI	Component ID	Relief	Technical	Actual	Results
Cat. Item	Description	Requests	Notes	Exam	
<b>Comments</b>					
B-G-1	B6.10	2RC-01-R/N01-N18		VT-1	NRI
		RPV Closure Head Nuts		VT-1	NRI
OBS 13-155					
B-G-1	B6.10	2RC-01-R/N19-N36		VT-1	NRI
		RPV Closure Head Nuts		VT-1	NRI
OBS 13-155					
B-G-1	B6.10	2RC-01-R/N37-N54		VT-1	NRI
		RPV Closure Head Nuts		VT-1	NRI
OBS 13-155					
B-G-1	B6.20	2RC-01-R/S01-S18		UT	NRI
		RPV Closure Head Studs			
OBS 13-157					
B-G-1	B6.20	2RC-01-R/S19-S36		UT	NRI
		RPV Closure Head Studs			
OBS 13-157					
B-G-1	B6.20	2RC-01-R/S37-S54		UT	NRI
		RPV Closure Head Studs			
OBS 13-157					

**Bolts, Pumps, and Valves Outage Summary****SYSTEM:** Reactor Coolant System (RY)

Section XI		Component ID	Relief	Technical	Actual	Results
Cat.	Item	Description	Requests	Notes	Exam	
<b>Comments</b>						
B-G-2	B7.50	2RY03BA-6/FLG 1-12			VT-1	NRI
		Piping Flange Bolting			VT-1	NRI
OBS 13-164						
2007-298: Nuts, tool marks noted. 2007-300: Studs.						
B-M-2	B12.50	2RY8010A/INT SURF			VT-3	NRI
		Valve Body Interior				
OBS 13-167						
Disassembled under WO 00886405.						

**Bolts, Pumps, and Valves Outage Summary****SYSTEM:** Steam Generator (SG)

Section XI		Component ID	Relief	Technical	Actual	Results
Cat.	Item	Description	Requests	Notes	Exam	
<b>Comments</b>						
B-G-2	B7.30	2RC-01-BC/BLT 1-32 SG Manway Studs and Nuts			VT-1	NRI
OBS 13-151						
B-G-2	B7.30	2RC-01-BD/BLT 1-32 SG Manway Studs and Nuts			VT-1	NRI
OBS 13-152						

**Bolts, Pumps, and Valves Outage Summary****SYSTEM:** Safety Injection System (SI)

Section XI	Component ID		Relief	Technical	Actual	Results
Cat.	Item	Description	Requests	Notes	Exam	
<b>Comments</b>						
B-G-2	B7.50	2SI08JA-1.5/FLG 1-4 Piping Flange Bolting			VT-1	NRI
OBS 13-165 Disassembled under WO 00971151. Mechanical Joint MJ-82C.						
B-G-2	B7.50	2SI08JB-1.5/FLG 1-4 Piping Flange Bolting			VT-1	NRI
OBS 13-166 Disassembled under WO 00971152. Mechanical Joint MJ-78.						
B-G-2	B7.70	2SI8818C/BLT 1-16 Valve Studs, Nuts, Bushings, and Washers			VT-1	NRI
OBS 13-162 Disassembled under WO 00927431.						
B-M-2	B12.50	2SI8818C/INT SURF Valve Body Interior			VT-3	NRI
OBS 13-163 Disassembled under WO 00927431.						

**Weld / Component Outage Summary (Preservice Inspections)****SYSTEM:** Reactor Coolant System (RY)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Item	Description	Requests	Notes	Coverage	Exam	Exam	
<b>Comments</b>								
N/A	N/A	2RY01C-4/J01S Reducer - Spray Nozzle Overlay	2RY01C-4	I3R-08		VOL	UT	NRI
Baseline exam for full structural weld overlay. 100% coverage in circ. direction and 100% in axial direction.								
N/A	N/A	2RY-01-S/PN-01-F1S Surge Nozzle-Safe End Overlay	2RY-01-S	I3R-08		VOL	UT	NRI
Baseline exam for full structural weld overlay. 100% coverage in circ. direction and 100% in axial direction.								
N/A	N/A	2RY-01-S/PN-02-F2S Spray Nozzle-Safe End Overlay	2RY-01-S	I3R-08		VOL	UT	NRI
Baseline exam for full structural weld overlay. 100% coverage in circ. direction and 100% in axial direction.								
N/A	N/A	2RY-01-S/PN-03-F3S PORV Nozzle-Safe End Overlay	2RY-01-S	I3R-08		VOL	UT	NRI
Baseline exam for full structural weld overlay. 100% coverage in circ. direction and 100% in axial direction.								
N/A	N/A	2RY-01-S/PN-04-F4S Safety A Nozzle-Safe End Overlay	2RY-01-S	I3R-08		VOL	UT	IND
Baseline exam for full structural weld overlay. 2 laminar indications, accept. Rejectable assumed planar flaws under laminars. Accepted by IWB-3600 evaluation. 99.5% coverage in circ. direction and 99.2% in axial direction.								
N/A	N/A	2RY-01-S/PN-05-F5S Safety B Nozzle-Safe End Overlay	2RY-01-S	I3R-08		VOL	UT	IND
Baseline exam for full structural weld overlay. 1 laminar indication, accept. Rejectable assumed planar flaw under laminar. Accepted by IWB-3600 evaluation. 98.3% coverage in circ. direction and 98.4% in axial direction.								
N/A	N/A	2RY-01-S/PN-06-F6S Safety C Nozzle-Safe End Overlay	2RY-01-S	I3R-08		VOL	UT	IND
Baseline exam for full structural weld overlay. 4 laminar indications, accept. 3 with rejectable assumed planar flaws under laminars. Accepted by IWB-3600 evaluation. 94.3% coverage in circ. direction and 93.5% in axial direction.								
N/A	N/A	2RY02A-6/J01S PORV Nozzle - Elbow Overlay	2RY02A-6	I3R-08		VOL	UT	IND
Baseline exam for full structural weld overlay. 1 laminar indication, accept. Rejectable assumed planar flaw under laminar. Accepted by IWB-3600 evaluation. 97.7% coverage in circ. direction and 98.0% in axial direction.								
N/A	N/A	2RY03AA-6/J01S Safety A Nozzle-Safe End - Elbow Overlay	2RY03AA-6	I3R-08		VOL	UT	NRI
Baseline exam for full structural weld overlay. 100% coverage in circ. direction and 100% in axial direction.								
N/A	N/A	2RY03AB-6/J01S Safety B Nozzle-Safe End - Elbow Overlay	2RY03AB-6	I3R-08		VOL	UT	NRI
Baseline exam for full structural weld overlay. 100% coverage in circ. direction and 100% in axial direction.								
N/A	N/A	2RY03AC-6/J01S Safety C Nozzle-Safe End - Elbow Overlay	2RY03AC-6	I3R-08		VOL	UT	IND
Baseline exam for full structural weld overlay. 1 laminar indication, accept. Assumed planar flaw under laminar acceptable. 98.7% coverage in circ. direction and 98.5% in axial direction.								
N/A	N/A	2RY11A-14/J01S Surge Nozzle Safe End - Pipe Overlay	2RY11A-14	I3R-08		VOL	UT	NRI
Baseline exam of full structural weld overlay. 100% coverage in circ. direction and 100% in axial direction.								

**Detailed Inservice Inspection Bolts, Pumps, and Valves Listing (PSI)****SYSTEM:** Reactor Coolant System (RY)

Section XI	Component ID		Relief	Technical	Actual	Results
Cat.	Item	Description	Requests	Notes	Exam	
Comments						
B-G-2	B7.50	2RY03BA-6/FLG 1-12			VT-1	NRI
		Piping Flange Bolting				
Baseline exam for 2RY8010A replacement.						

**Pressure Test Outage Summary****SYSTEM:** Auxiliary Feedwater System (AF)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-AF-2-1		I3T-04	VT-2	NRI
C-H	C7.10	2-AF-2-2		I3T-04	VT-2	NRI



**Pressure Test Outage Summary****SYSTEM:** Containment Spray System (CS)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-CS-2-1		I3T-04	VT-2	NRI
C-H	C7.10	2-CS-2-2		I3T-04	VT-2	NRI

## Pressure Test Outage Summary

**SYSTEM:** Chemical & Volume Control System (CV)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-CV-2-1		I3T-04	VT-2	NRI
C-H	C7.10	2-CV-2-10		I3T-04	VT-2	NRI
C-H	C7.10	2-CV-2-2		I3T-04	VT-2	NRI
C-H	C7.10	2-CV-2-3		I3T-04	VT-2	NRI
C-H	C7.10	2-CV-2-4		I3T-04	VT-2	NRI
Boric Acid present on 2CV8355A, B, C, D and 2CV061						
C-H	C7.10	2-CV-2-5		I3T-04	VT-2	NRI
Boric Acid identified in IRs 606399 and 606391						
C-H	C7.10	2-CV-2-6		I3T-04	VT-2	NRI
C-H	C7.10	2-CV-2-7		I3T-04	VT-2	NRI

**Pressure Test Outage Summary****SYSTEM:** Fuel Pool Cooling System (AF)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-FC-2-1		I3T-04	VT-2	NRI

**Pressure Test Outage Summary****SYSTEM:** Feedwater System (FW)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-FW-2-2		I3T-04	VT-2	NRI

## Pressure Test Outage Summary

**SYSTEM:** Main Steam System (MS)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-MS-2-1		I3T-04	VT-2	NRI
C-H	C7.10	2-MS-2-2		I3T-04	VT-2	NRI

## Pressure Test Outage Summary

**SYSTEM:** Off Gas System (OG)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-OG-2-1		I3T-04	VT-2	NRI

**Pressure Test Outage Summary****SYSTEM:** Process Sampling System (PS)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-PS-2-3		I3T-04	VT-2	NRI
C-H	C7.10	2-PS-2-4		I3T-04	VT-2	NRI
C-H	C7.10	2-PS-2-5		I3T-04	VT-2	NRI
C-H	C7.10	2-PS-2-6		I3T-04	VT-2	NRI

**Pressure Test Outage Summary****SYSTEM:** Essential Service Water System (SX)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item					
Comments						
C-H	C7.10	2-SX-2-1		I3T-04	VT-2	NRI
C-H	C7.10	2-SX-2-2		I3T-04	VT-2	NRI



**Component Support Outage Summary****SYSTEM:** Chemical & Volume Control System (CV)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2CV05B-8/2CV47010X SEISMIC	2CV05B-8			VT-3	NRI
All welds painted							
F-A	F1.20	2CV05CB-6/2CV08016X SEISMIC	2CV05CB-6			VT-3	NRI
All welds painted							
F-A	F1.20	2CVA1A-6/2CV-CP1A ANCHOR	2CVA1A-6			VT-3	NRI
Weld is painted. Penetration 2AB-130.							
F-A	F1.10	2CVA5AA-2/2CV15030X SEISMIC	2CVA5AA-2			VT-3	NRI
F-A	F1.10	2CVA5AA-2/2CV15031X SEISMIC	2CVA5AA-2			VT-3	NRI
F-A	F1.10	2CVA5AA-2/2CV15043X SEISMIC	2CVA5AA-2			VT-3	NRI
F-A	F1.10	2CVB7A-3/2CV06007V VARIABLE	2CVB7A-3			VT-3	NRI
AS-FOUND COLD SETTING = 479 lbs. East / 462 lbs. West							

**Component Support Outage Summary****SYSTEM:** Feedwater System (FW)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2FW03DA-16/2FW02008X SEISMIC	2FW03DA-16			VT-3	NRI

**Component Support Outage Summary****SYSTEM:** Main Steam System (MS)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2MS01AC-32-3/4/2MS07002C CONSTANT	2MS01AC-32-3/4			VT-3	NRI

**Component Support Outage Summary****SYSTEM:** Reactor Coolant System (RC)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.40	2RC-01-BA/S SG A SUPPORT	2RC-01-BA			VT-3	NRI
Minor corrosion, no degradation.							
F-A	F1.40	2RC-01-PA/L1 RC PUMP A SUPPORT	2RC-01-PA			VT-3	NRI
F-A	F1.40	2RC-01-PA/L2 RC PUMP A SUPPORT	2RC-01-PA			VT-3	NRI
F-A	F1.40	2RC-01-PA/L3 RC PUMP A SUPPORT	2RC-01-PA			VT-3	NRI

**Component Support Outage Summary****SYSTEM:** Residual Heat Removal System (RH)

Section XI	Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description				
Comments						
F-A	F1.20	2RH03AA-8/2RH-CP1A ANCHOR	2RH03AA-8		VT-3	NRI

**Component Support Outage Summary****SYSTEM:** Reactor Coolant System (RY)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.10	2RY01B-6/2RY06027X SEISMIC	2RY01B-6			VT-3	NRI
Only 90% of the support is accessible (back side of pressurizer)							
F-A	F1.10	2RY01B-6/2RY06101C CONSTANT	2RY01B-6			VT-3	NRI
F-A	F1.10	2RY02B-3/2RY09077S SNUBBER	2RY02B-3		SR	VT-3	NRI
F-A	F1.10	2RY02B-3/2RY09100S SNUBBER	2RY02B-3		SR	VT-3	NRI

## Component Support Outage Summary

**SYSTEM:** Safety Injection System (SI)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2SI02BA-6/2SI18A050X SEISMIC	2SI02BA-6			VT-3	NRI
All welds painted. IO - Minor rust on bolting (no degradation)							
F-A	F1.20	2SI02BA-6/2SI18A051X SEISMIC	2SI02BA-6			VT-3	NRI
All welds painted.							
F-A	F1.20	2SI02BA-6/2SI18A052X SEISMIC	2SI02BA-6			VT-3	NRI
All welds painted							
F-A	F1.20	2SI04B-12/2PC-66A ANCHOR	2SI04B-12			VT-3	NRI
F-A	F1.10	2SI05DC-6/2SI09014S SNUBBER	2SI05DC-6		DBL SR	VT-3	NRI
Trapeze Snubber, both cold settings 3-3/4"							
F-A	F1.10	2SI08JA-1-1/2/2SI24002X SEISMIC	2SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	2SI08JA-1-1/2/2SI24010X SEISMIC	2SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	2SI08JA-1-1/2/2SI25011X SEISMIC	2SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	2SI08JA-1-1/2/2SI25013X SEISMIC	2SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	2SI08JC-1.5/2SI20001S SNUBBER	2SI08JC-1-1/2		SR	VT-3	NRI
F-A	F1.10	2SI08JC-1.5/2SI20003S SNUBBER	2SI08JC-1-1/2		SR	VT-3	NRI

**Component Support Outage Summary****SYSTEM:** Essential Service Water System (SX)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2SX06FA-10/2SX06029A ANCHOR	2SX06FA-10			VT-3	NRI
F-A	F1.20	2SX09BA-10/2SX08027X SEISMIC	2SX09BA-10			VT-3	NRI
F-A	F1.20	2SX09BB-10/2SX09072X SEISMIC	2SX09BB-10			VT-3	NRI



**Snubber Outage Summary**

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**SYSTEM:** Auxiliary Feedwater System (AF)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2FW87BA-3/2FW14002S SNUBBER	2FW87BA-3		SR	VT-3 FT	NRI PASS
F-A	F1.20	2FW87BB-3/2FW12001S SNUBBER	2FW87BB-3		SR	VT-3	NRI

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

**Snubber Outage Summary**  
(Page 2 of 11)**SYSTEM:** Containment Spray System (CS)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2CS02AA-10/2CS03A012S SNUBBER	2CS02AA-10			VT-3	NRI
					SR		

**Snubber Outage Summary**

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**SYSTEM:** Chemical & Volume Control System (CV)

Section XI	Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
<b>Comments</b>						
F-A F1.20	2CV05CB-6/2CV08011S SNUBBER	2CV05CB-6		SR	VT-3 FT	NRI PASS
F-A F1.20	2CV05CB-6/2CV08013S SNUBBER	2CV05CB-6		SR	VT-3	NRI
NA NA	2CV10CA-3/2CV03009S SNUBBER	2CV10CA-3		SR	VT-3 FT	NRI PASS
NA NA	2CV14EB-2/2CV36006S SNUBBER	2CV14EB-2		SR	VT-3 FT	NRI PASS
NA NA	2CV14EC-2/2CV40009S SNUBBER	2CV14EC-2		SR	VT-3 FT	NRI PASS
NA NA	2CV15E-3/4/2CV31020S SNUBBER	2CV15E-3/4		SR	VT-3 FT	NRI PASS
NA NA	2CV16BD-3/4/2CV64025S SNUBBER	2CV16BD-3/4		SR	VT-3 FT	NRI PASS
NA NA	2CV43BC-2/2CV13034S SNUBBER	2CV43BC-2		SR	VT-3 FT	NRI NRI
F-A F1.10	2CVA7AA-2/2CV25012S SNUBBER	2CVA7AA-2		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

**Snubber Outage Summary**

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**SYSTEM:** Feedwater System (FW)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2FW03DA-16/2FW02012S SNUBBER	2FW03DA-16		SR	VT-3 FT	NRI PASS
F-A	F1.20	2FW03DD-16/2FW05022S SNUBBER	2FW03DD-16		SR	VT-3 FT	NRI PASS
F-A	F1.20	2FW87CA-6/2FW06002S SNUBBER	2FW87CA-6		SR	VT-3 FT	NRI FAIL
F-A	F1.20	2FW87CA-6/2FW06005S SNUBBER	2FW87CA-6		SR	VT-3 FT	NRI PASS
F-A	F1.20	2FW87CA-6/2FW06008S SNUBBER	2FW87CA-6		SR	VT-3 FT	NRI PASS
Failed 2FW06002S Expansion Sample							
F-A	F1.20	2FW87CC-6/2FW08018S SNUBBER	2FW87CC-6		SR	VT-3 FT	NRI PASS
Failed 2FW06002S Expansion Sample							

**Snubber Outage Summary**

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**SYSTEM:** Main Steam System (MS)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	SNUB	2MS01AD-30.25/2MS08007-S1 SNUBBER	2MS01AD-30.25		DBL SR	VT-3 FT	NRI PASS
F-A	SNUB	2MS01AD-30.25/2MS08007-S2 SNUBBER	2MS01AD-30.25		DBL SR	VT-3 FT	NRI PASS
F-A	SNUB	2MS07AA-28/2MS01074-S1 SNUBBER	2MS07AA-28		DBL SR	VT-3 FT	NRI PASS
Failed 2FW06002S Expansion Sample							
F-A	SNUB	2MS07AA-28/2MS01074-S2 SNUBBER	2MS07AA-28		DBL SR	VT-3 FT	NRI PASS
Failed 2FW06002S Expansion Sample							
F-A	F1.20	2MS07AA-28/2MS01079S SNUBBER	2MS07AA-28		SR	VT-3 FT	NRI PASS
F-A	SNUB	2MS07AD-28/2MS01083-S1 SNUBBER	2MS07AD-28		DBL SR	VT-3 FT	NRI PASS
F-A	SNUB	2MS07AD-28/2MS01083-S2 SNUBBER	2MS07AD-28		DBL SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

**Snubber Outage Summary**

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**SYSTEM:** Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
<b>Comments</b>						
F-A F1.40	2RC01BA-2A/2RC01BA-A SNUBBER	2RC01BA-2A		SR	VT-3	NRI
F-A F1.40	2RC01BA-2A/2RC01BA-B SNUBBER	2RC01BA-2A		SR	VT-3	NRI
F-A F1.40	2RC01BB-2B/2RC01BB-A SNUBBER	2RC01BB-2B		SR	VT-3	NRI
Evidence of leakage on reservoir tubing at threaded connection. IR# 611687 written to address situation.						
F-A F1.40	2RC01BB-2B/2RC01BB-B SNUBBER	2RC01BB-2B		SR	VT-3	NRI
F-A F1.40	2RC01BC-2C/2RC01BC-A SNUBBER	2RC01BC-2C		SR	VT-3 FT	NRI PASS
F-A F1.40	2RC01BC-2C/2RC01BC-B SNUBBER	2RC01BC-2C		SR	VT-3	NRI
Evidence of leakage on reservoir tubing at threaded connection. IR# 611689 written to address situation.						
F-A F1.40	2RC01BD-2C/2RC01BD-A SNUBBER	2RC01BD-2C		SR	VT-3	NRI
F-A F1.40	2RC01BD-2C/2RC01BD-B SNUBBER	2RC01BD-2C		SR	VT-3	NRI
NA NA	2RC08AC-3/4/2RC18003S SNUBBER	2RC08AC-3/4		SR	VT-3 FT	NRI PASS
F-A F1.10	2RC14AC-2/2CV09028S SNUBBER	2RC14AC-2		SR	VT-3 FT	NRI PASS
F-A F1.10	2RC16AD-2/2CV14001S SNUBBER	2RC16AD-2		SR	VT-3 FT	NRI PASS
Failed 2FW06002S Expansion Sample						
F-A F1.10	2RC16AD-2/2CV14004S SNUBBER	2RC16AD-2		SR	VT-3 FT	NRI PASS
F-A F1.10	2RC22AA-1.5/2RC16013S SNUBBER	2RC22AA-1-1/2		SR	VT-3 FT	NRI PASS
Failed 2FW06002S Expansion Sample						
F-A F1.10	2RC22AB-1.5/2RC17002S SNUBBER	2RC22AB-1-1/2		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

**Snubber Outage Summary**

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**SYSTEM:** Reactor Coolant System (RC)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.10	2RC22AB-1.5/2RC17018S SNUBBER	2RC22AB-1-1/2		SR	VT-3 FT	NRI PASS
Replaced with a Lisega							
F-A	F1.10	2RC24AA-4/2RY06017S SNUBBER	2RC24AA-4		SR	VT-3	NRI

**Snubber Outage Summary**

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**SYSTEM:** Residual Heat Removal System (RH)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.20	2RH02AA-8/2RH07011S SNUBBER	2RH02AA-8		SR	VT-3	NRI
F-A	F1.20	2RH02AA-8/2RH07012S SNUBBER	2RH02AA-8		SR	VT-3	NRI
F-A	F1.20	2RH02AA-8/2RH07013S SNUBBER	2RH02AA-8		SR	VT-3 FT	NRI PASS



**Snubber Outage Summary**

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**SYSTEM:** Reactor Coolant System (RY)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F1.10	2RY01AA-4/2RY06018S SNUBBER	2RY01AA-4		SR	VT-3	NRI
F-A	F1.10	2RY02B-3/2RY09001S SNUBBER	2RY02B-3		SR	VT-3 FT	NRI PASS
F-A	F1.10	2RY02B-3/2RY09077S SNUBBER	2RY02B-3		SR	VT-3	NRI
F-A	F1.10	2RY02B-3/2RY09100S SNUBBER	2RY02B-3		SR	VT-3	NRI
F-A	F1.10	2RY11A-14/2RY05010S SNUBBER	2RY11A-14		SR	VT-3	NRI

**Snubber Outage Summary**

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**SYSTEM:** Steam Generator Blowdown System (SD)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
NA	NA	2SD01CB-2/2SD01003S SNUBBER	2SD01CB-2		SR	VT-3 FT	NRI PASS
NA	NA	2SD01CC-2/2SD03002S SNUBBER	2SD01CC-2		SR	VT-3 FT	NRI PASS
NA	NA	2SD01CE-2/2SD22019S SNUBBER	2SD01CE-2		SR	VT-3 FT	NRI PASS

**Snubber Outage Summary**  
(Page 11 of 11)**SYSTEM:** Safety Injection System (SI)

Section XI		Component ID	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
<b>Comments</b>							
F-A	F1.20	2SI02BA-6/2SI18A049S SNUBBER	2SI02BA-6		SR	VT-3	NRI
NA	NA	2SI03BB-4/2SI13026S SNUBBER	2SI03BB-4		SR	VT-3 FT	NRI PASS
Failed 2FW06002S Expansion Sample							
NA	NA	2SI03CB-2/2SI13027S SNUBBER	2SI03CB-2		SR	VT-3 FT	NRI PASS
F-A	SNUB	2SI05DC-6/2SI09014-S1 SNUBBER	2SI05DC-6		DBL SR	VT-3	NRI
F-A	SNUB	2SI05DC-6/2SI09014-S2 SNUBBER	2SI05DC-6		DBL SR	VT-3	NRI
F-A	F1.10	2SI08JC-1.5/2SI20001S SNUBBER	2SI08JC-1-1/2		SR	VT-3	NRI
F-A	F1.10	2SI08JC-1.5/2SI20003S SNUBBER	2SI08JC-1-1/2		SR	VT-3	NRI
NA	NA	2SI18ED-2/2SI16037S SNUBBER	2SI18ED-2		SR	VT-3 FT	NRI PASS

Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

**Detailed Inservice Inspection Snubber Listing****SYSTEM:** Chemical & Volume Control System (CV)

Section XI		Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes		
Comments							
NA	NA	2CV14EB-2/2CV36006S SNUBBER	2CV14EB-2		SR	FT	PASS
F-A	F1.10	2CVA7AA-2/2CV25012S SNUBBER	2CVA7AA-2		SR	FT	NRI

**Detailed Inservice Inspection Snubber Listing****SYSTEM:** Feedwater System (FW)

Section XI		Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes		
Comments							
F-A	F1.20	2FW87CA-6/2FW06002S SNUBBER	2FW87CA-6			SR	FT PASS

**Detailed Inservice Inspection Snubber Listing****SYSTEM:** Reactor Coolant System (RC)

Section XI		Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes		
Comments							
NA	NA	2RC08AC-3/4/2RC18003S SNUBBER	2RC08AC-3/4		SR	FT	PASS
F-A	F1.10	2RC22AB-1.5/2RC17018S SNUBBER	2RC22AB-1-1/2		SR	FT	PASS

**Detailed Inservice Inspection Snubber Listing****SYSTEM:** Safety Injection System (SI)

Section XI		Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes		
Comments							
NA	NA	2SI03CB-2/2SI13027S SNUBBER	2SI03CB-2		SR	FT	PASS

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

**BYRON STATION UNIT 2 - 3RD INTERVAL  
ASME SECTION XI EXAMINATION STATUS REPORT**

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

**CATEGORY B-A NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-A	B1.21	1	1	0	1	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-A	B1.40	1	1	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>2</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>100.00%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

**CATEGORY B-A DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	%	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-A	B1.11	3	3	N/A	3	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B-A	B1.21	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B-A	B1.30	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
<b>Totals:</b>		<b>5</b>	<b>5</b>	<b>N/A</b>	<b>5</b>	<b>N/A</b>	<b>N/A</b>	<b>0</b>	<b>N/A</b>	<b>0</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

**CATEGORY B-B NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-B	B2.11	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-B	B2.12	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-B	B2.40	4	1	0	0	1	1	0	1	0	25.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>8</b>	<b>5</b>	<b>1</b>	<b>0</b>	<b>2</b>	<b>3</b>	<b>0</b>	<b>3</b>	<b>0</b>	<b>62.50%</b>	<b>0.00%</b>	<b>0.00%</b>	<b>0.00%</b>

1. (B2.40) Per Examination Category B-B, Note 1, examinations may be limited to one vessel among a group of vessels performing a similar function.

**CATEGORY B-D NON-DEFERRED EXAMS**

Cat.	Item No.	# of		min	Per 1	max	# Exams Completed			Per 3	% Selected	% Exams Completed		
		Comp	Total Selected				min	Per 2	max			Period 1	Period 2	Period 3
B-D	B3.110	6	6	1	1	3	2	0	3	0	100.00%	16.67%	16.67%	16.67%
B-D	B3.120	6	6	1	0	3	3	0	4	0	100.00%	0.00%	0.00%	0.00%
B-D	B3.140	8	8	2	0	4	4	0	6	0	100.00%	0.00%	0.00%	0.00%
<b>Totals:</b>		<b>20</b>	<b>20</b>	<b>4</b>	<b>1</b>	<b>10</b>	<b>9</b>	<b>0</b>	<b>14</b>	<b>0</b>	<b>100.00%</b>	<b>5.00%</b>	<b>5.00%</b>	<b>5.00%</b>

1. (B3.120 & B3.140) Per 10 CFR 50.55a(b)(2)(xxi)(A), Table IWB-2500-1 examination requirements, the provisions of Table IWB-2500-1, Examination Category B-D, Item Numbers B3.120 and B3.140 in the 1998 Edition must be applied when using the 1999 Addenda through the latest edition and addenda, and requires that a visual examination with enhanced magnification may be performed on the inside radius section in place of an ultrasonic examination.