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July 29, 2013

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United States Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555-0001

Byron Station, Unit 2
Facility Operating License No. NPF-66
NRC Docket No. STN50-455

SUBJECT: Byron Station Unit 2 90-Day Inservice Inspection Report for Interval 3, Period 3, (B2R17)

The subject 90-Day Inservice Inspection Report for the Byron Station Unit 2, Refueling Outage Seventeen (B2R17) is being submitted pursuant to the requirements of Article IWA-6000, "Records and Reports" of Section XI, "Rules for Inservice inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code 2001 Edition through the 2003 Addenda. The report covers the inservice inspections conducted prior to and during the Unit 2 Spring 2013 refueling outage.

If there are any questions regarding this matter, please contact Steve Gackstetter, Regulatory Assurance Manager, at (815)-406-2800.

Respectfully,

Faber A. Kearney
Site Vice President
Byron Generating Station

FAK/RGM/LMZ/cy

Attachment: B2R17 Inservice Inspection Summary Report – Spring 2013 outage

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NRR

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BYRON
UNIT 2

B2R17

Spring 2013 Outage

INSERVICE INSPECTION SUMMARY REPORT

For Inspection Activities
from
October 10, 2011
to
May 1, 2013

Commercial Service Date
August 21, 1987

Document Completion Date
July 29, 2013

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BYRON
UNIT 2

B2R17

INSERVICE INSPECTION SUMMARY REPORT

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1.1.0 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 10, 2011, through May 1, 2013. The majority of these inspections were performed during the seventeenth refueling outage (B2R17) from April 8 through May 1, 2013.

B2R17 is the first outage of the Third Period in the Third Inspection Interval.

The examinations were performed in compliance with the rules and regulations of ASME Section XI (applicable edition and addenda), pursuant to the requirements of 10 CFR 50.55a.

See Section 1.7.0 for a listing of referenced documents.

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.

The Nondestructive Examination (NDE) Inservice Inspection (ISI) Program Plan for Class 1, 2, 3, CC, and MC 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 and industry initiatives (NEI-03-08) 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;

b) Class 1 Alloy 600 weld examinations in accordance with N-722, N-729-1 and N-770-1;

c) Class 2 and 3 pressure boundary for leakage at nominal operating pressure, in accordance with NUREG 0737.

d) Class 1 examinations of n*on-isolable Reactor Coolant System branch lines for Thermal Fatigue* in accordance with MRP-146;

e) Examination of RCP Flywheels in accordance with Regulatory Guide 1.14.

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

1.1.1 Identification of Examination Requirements

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

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.

Augmented examinations as specified by NRC and industry initiatives are included in these tables.

1.1.2 Identification of Exempted Components

ASME Class 1 and Class 2 components, or parts of components, that are not included in the examination tables and are exempt from examination, as specified in Section XI Paragraphs IWB and IWC-1200, and Tables IWB-2500-1 and IWC-2500-1 are identified in the ISI Program Plan in conjunction with technical justification(s) for exempting the component or 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 the piping Examination Categories B-F, B-J, C-F-1, and C-F-2, are not incorporated into the RI-ISI program. With the adoption of RI-ISI, piping welds classified as Risk Category 6 or 7 are not subject to examination.

1.1.3 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 Edition. 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 IWA-2200. 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. Augmented examinations are performed using the examination method specified in the governing regulatory or industry documents.

1.1.4 Significant Activities During B2R17

The reactor vessel head exterior surface was visually examined for evidence of leakage per the requirements specified in N-729-1 Note (4) for Item B4.10 components. One repaired reactor head penetration was examined with surface and volumetric methods per Item B4.20 and the approved relief request I3R-16.

During the refueling outage, the Alloy 600 welds were examined for PWSCC per the requirements specified in N-722-1:

- All reactor vessel bottom-mounted instrument penetrations were visually examined for leakage Item B15.80 weldments.
- The steam generator primary channel head drains were visually examined for leakage for Item B15.120 weldments.

A mechanical stress improvement process was performed on the reactor hot and cold leg nozzle safe-end welds. After the stress improvement process, the welds were volumetrically examined per the requirements specified in ASME Code Case N-770-1. With this application, the safe-end welds are now classified as Inspection Item D under N-770-1.

1.1.5 ASME Section XI Code Cases

The implementation of the risk-informed program as described in relief request I3R-02 utilized N-578-1. For Repair/Replacement activities, code cases are identified on the applicable Form NIS-2.

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

N-508-3 *Rotation of Serviced Snubbers and Pressure Relief Valves for the Purpose of Testing.*

N-513-2 *Evaluation Criteria for Temporary Acceptance of Flaws in Moderate Energy Class 2 or 3 Piping.*

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

N-597-2 *Requirements for Analytical Evaluation of Pipe Wall Thinning.*

N-639 *Alternative Calibration Block Material.*

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

N-665 *Alternative Requirements for Beam Angle Measurements Using Refracted Longitudinal Wave Search Units.*

N-685 *Lighting Requirements for Surface Examination*

N-686-1 *Alternative Requirements for Visual Examinations, VT-1, VT-2, and VT-3*

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

N-696 *Qualification Requirements for Appendix VIII Piping Examinations Conducted From the Inside Surface.*

N-700 *Alternative Rules for Selection of Classes 1, 2, and 3 Vessel Welded Attachments for Examination.*

N-705 *Evaluation Criteria for Temporary Acceptance of Degradation in Moderate Energy Class 2 or 3 Vessels and Tanks*

N-706 *Alternative Examination Requirements of Table IWB-2500-1 and Table IWC-2500-1 for PWR Stainless Steel Residual and Regenerative Heat Exchangers*

N-753 *Vision Tests*

1.1.6 Witness and Verification of Examination

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

1.2.0 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
  - Preservice Inspection - Weld / Component Listing
  - Preservice Inspection - Bolts, Pumps, and Valves Listing
- System Pressure Test Summaries
- Component Support Examination Summary
- Component Snubber Test Summary

1.3.0 UNIT 2 EXAMINATION COMPLETION STATUS

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

1.4.0 FORM NIS-1 DATA SHEETS

ASME Form NIS-1 were filed during the cycle for Unit 2. See Section 4.0 for the reports.

1.5.0 FORM NIS-2 DATA SHEETS

ASME Form NIS-2 were filed during the cycle for Unit 2. See Section 5.0 for the reports.

1.6.0 CONTAINMENT ISI PROGRAM

No reportable conditions were identified for Class CC and Class MC components during this fuel cycle.

1.7.0 REFERENCED DOCUMENTS

1.7.1 Code of Federal Regulations, Title 10 Energy

Part 50, *Domestic Licensing of Production and Utilization Facilities*

50.55a, *Codes and Standards*

1.7.2 American Society of Mechanical Engineers 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*, 2001 Edition, through 2003 Addenda

Subsection IWA: General Requirements

Subsection IWB: Requirements for Class 1 Components

Subsection IWC: Requirements for Class 2 Components

Subsection IWD: Requirements for Class 3 Components

Subsection IWE: Requirements for Class MC/Class CC Metallic Liners Components

Subsection IWF: Requirements for Class 1, 2, 3, and MC Component Supports

Subsection IWL: Requirements for Class CC Concrete Components

a) IWA-2200 *Examination Methods*

b) IWA-6000: *Records and Reports*

c) IWB, and IWC-1200, *Components Exempt from Examination*

d) IWB, IWC, IWE, IWF, and IWL-2500, Examination and Pressure Test Requirements

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

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

Code Case N-722-1: *Additional Examinations for PWR Pressure Retaining Welds in Class 1 Components Fabricated With Alloy 600/82/182 Materials.*

Code Case N-729-1: *Alternative Examination Requirements for PWR Reactor Vessel Upper Heads With Nozzles Having Pressure-Retaining Partial-Penetration Welds.*

Code Case N-770-1: *Alternative Examination Requirements and Acceptance Standards for Class 1 PWR Piping and Vessel Nozzle Butt Welds Fabricated with UNS N06082 or UNS W86182 Weld Filler Material With or Without Application of Listed Mitigation Activities.*

Form NIS-1, *Owners Report for Inservice Inspections.*

Form NIS-2, *Owners Report for Repairs or Replacements.*

1.7.3 American National Standards Institute / American Society for Nondestructive Testing

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

1.7.4 American Society for Nondestructive Testing

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

1.7.5 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.*

1.7.6 Electric Power Research Institute

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

Materials Reliability Program: *Management of Thermal Fatigue in Normally Stagnant Non-Isolable Reactor Coolant System Branch Lines* (MRP-146, Revision 1), June 2011

1.7.7 Nuclear Energy Institute

NEI 03-08, *Guideline for the Management of Materials Issues.*

1.7.8 Byron Station Documents

Relief Request I3R-02: *Alternate Risk-Informed Selection and Examination Criteria for Category B-F, B-J, C-F-1, and C-F-2 Pressure Retaining Piping Welds.*

Relief Request I3R-14: *Alternative Requirements for the Repair of a Reactor Vessel Head Penetration In Accordance with 10 CFR 50.55a(a)(3)(i)*

Relief Request I3R-16: *Alternate Examination Frequency under ASME Code Case N-729-1 for Reactor Vessel Head Penetration Welds.*

Weld / Component Outage Summary

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11	2CVA3B-2/W-70 Pipe - Elbow	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-005							
R-A R1.11	2CVA3B-2/W-71 Elbow - Pipe	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-006							
R-A R1.11	2CVA3B-2/W-72 Pipe - Elbow	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-007							
R-A R1.11	2CVA3B-2/W-73 Elbow - Pipe	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-008							
R-A R1.11	2CVA3B-2/W-80 Pipe - Elbow	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-009							
R-A R1.11	2CVA3B-2/W-81 Elbow - Pipe	2CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-010							
R-A R1.11	2CVA5AA-2/W-06 Pipe - Elbow	2CVA5AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-011							
R-A R1.11	2CVA5AA-2/W-07 Elbow - Pipe	2CVA5AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-012							
R-A R1.11	2CVA6AA-2/W-04 Pipe - Elbow	2CVA6AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-013							
R-A R1.11	2CVA6AA-2/W-05 Elbow - Pipe	2CVA6AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-014							
R-A R1.11	2CVA7AA-2/W-06 Pipe - Elbow	2CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-050							

Weld / Component Outage Summary

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11	2CVA7AA-2/W-07 Elbow - Pipe	2CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-051							
R-A R1.11	2CVA7AA-2/W-08 Pipe - Elbow	2CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-052							

Weld / Component Outage Summary

SYSTEM: Feedwater System (FW)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11 R1.18	2FW03DB-16/C18 Pipe - Elbow	2FW03DB-16	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-080							
R-A R1.11 R1.18	2FW03DB-16/C19 Elbow - Pipe	2FW03DB-16	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-081							
R-A R1.11 R1.18	2FW03DC-16/C21 Pipe - Elbow	2FW03DC-16	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-082							
R-A R1.11 R1.18	2FW03DC-16/C22 Elbow - Pipe	2FW03DC-16	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-083 Weld obstructed 11"-17" CCW on downstream side due to non-removable support. Code coverage was not limited by the obstruction.							
R-A R1.11 R1.18	2FW87CA-6/C05 Pipe - Pipe	2FW87CA-6	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-125							
R-A R1.11 R1.18	2FW87CA-6/C06 Pipe - Elbow	2FW87CA-6	I3R-02	C5.51 I3T-01 I3T-02	100	UT	GEOM
OBS 17-126 ID Geometry at 0". Weld crown from 2" CCW to 2" CW ground flush to aid scanning across weld.							
R-A R1.11 R1.18	2FW87CA-6/C07 Elbow - Pipe	2FW87CA-6	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-127							
R-A R1.11 R1.18	2FW87CA-6/C08 Pipe - Elbow	2FW87CA-6	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-128							
R-A R1.11 R1.18	2FW87CA-6/C09 Elbow - Pipe	2FW87CA-6	I3R-02	C5.51 I3T-01 I3T-02	100	UT	NRI
OBS 17-129							

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.20	2RC01AA-29/J01 Safe End - Pipe	2RC01AA-29	I3R-02	B9.11 I3T-01 I3T-02	97 100	UT ET	NRI NRI
OBS 17-132 Outlet Nozzle @ 338° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry. Exam not credited for RI-ISI, see B2R16 for credited examination.							
R-A R1.20	2RC01AA-29/J06 SOL - Thermowell	2RC01AA-29	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-015							
R-A R1.20	2RC01AB-29/J01 Safe End - Pipe	2RC01AB-29	I3R-02	B9.11 I3T-01 I3T-02	94 100	UT ET	NRI NRI
OBS 17-133 Outlet Nozzle @ 202° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry. Exam not credited for RI-ISI, see B2R16 for credited examination.							
R-A R1.20	2RC01AC-29/J01 Safe End - Pipe	2RC01AC-29	I3R-02	B9.11 I3T-01 I3T-02	98 100	UT ET	NRI NRI
OBS 17-134 Outlet Nozzle @ 158° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry. Exam not credited for RI-ISI, see B2R16 for credited examination.							
R-A R1.20	2RC01AD-29/J01 Safe End - Pipe	2RC01AD-29	I3R-02	B9.11 I3T-01 I3T-02	90 100	UT ET	NRI NRI
OBS 17-135 Outlet Nozzle @ 22° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry (actual coverage: 90.28%). Exam not credited for RI-ISI, see B2R16 for credited examination.							
R-A R1.15 B15.90 A-2	2RC-01-R/RPVS-A F1 RPV Nozzle Safe-End HL Loop D	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100 100	UT ET	NRI NRI
OBS 17-113 Outlet Nozzle @ 22° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							
R-A R1.15 B15.95	2RC-01-R/RPVS-B F1 RPV Nozzle Safe-End CL Loop D	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100 100	UT ET	NRI NRI
OBS 17-114 Inlet Nozzle @ 67° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							
R-A R1.15 B15.95	2RC-01-R/RPVS-C F1 RPV Nozzle Safe-End CL Loop C	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100 100	UT ET	NRI NRI
OBS 17-115 Inlet Nozzle @ 113° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.15 B15.90 A-2	2RC-01-R/RPVS-D F1 RPV Nozzle Safe-End HL Loop C	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	98 100	UT ET	NRI NRI
OBS 17-116 Outlet Nozzle @ 158° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							
R-A R1.15 B15.90 A-2	2RC-01-R/RPVS-E F1 RPV Nozzle Safe-End HL Loop B	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100 100	UT ET	NRI NRI
OBS 17-117 Outlet Nozzle @ 202° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							
R-A R1.15 B15.95	2RC-01-R/RPVS-F F1 RPV Nozzle Safe-End CL Loop B	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100 100	UT ET	NRI NRI
OBS 17-118 Inlet Nozzle @ 247° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							
R-A R1.15 B15.95	2RC-01-R/RPVS-G F1 RPV Nozzle Safe-End CL Loop A	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100 100	UT ET	NRI NRI
OBS 17-119 Inlet Nozzle @ 293° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							
R-A R1.15 B15.90 A-2	2RC-01-R/RPVS-H F1 RPV Nozzle Safe-End HL Loop A	2RC-01-R	I3R-02	B5.10 I3T-01 I3T-02	100 100	UT ET	NRI NRI
OBS 17-120 Outlet Nozzle @ 338° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. Per N-722-1 Note(5) and N-770-1 Note(3), the UT examination is acceptable in lieu of the BMV. See WO 01480225 for reports.							
R-A R1.20	2RC03AA-27.5/J02A SOL - Thermowell	2RC03AA-27.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-016							
R-A R1.20	2RC03AA-27.5/J04 SOL - Thermowell	2RC03AA-27.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-017							
R-A R1.20	2RC03AA-27.5/J12 Elbow - Safe End	2RC03AA-27.5	I3R-02	B9.11 I3T-01 I3T-02	91 100	UT ET	NRI NRI
OBS 17-121 Inlet Nozzle @ 293° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry (actual coverage: 90.75%).							

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.20	2RC03AB-27.5/J12 Elbow - Safe End	2RC03AB-27.5	I3R-02	B9.11 I3T-01 I3T-02	95 100	UT ET	NRI NRI
OBS 17-122 Inlet Nozzle @ 247° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry.							
R-A R1.20	2RC03AC-27.5/J13 Elbow - Safe End	2RC03AC-27.5	I3R-02	B9.11 I3T-01 I3T-02	96 100	UT ET	NRI NRI
OBS 17-123 Inlet Nozzle @ 113° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry.							
R-A R1.20	2RC03AD-27.5/J12 Elbow - Safe End	2RC03AD-27.5	I3R-02	B9.11 I3T-01 I3T-02	92 100	UT ET	NRI NRI
OBS 17-124 Inlet Nozzle @ 67° Safe-End Weld. Post-MSIP automated UT and ET examination from ID surface. See WO 01480225 for reports. Scan obstructed by counterbore geometry.							
R-A R1.20	2RC13AA-2/W-01 SOL - Pipe	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-026							
R-A R1.20	2RC13AA-2/W-02 Pipe - Tee	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-027							
R-A R1.20	2RC13AA-2/W-03 Tee - Reducer	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-028							
R-A R1.20	2RC13AA-2/W-04 Tee - Pipe	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-029							
R-A R1.20	2RC13AA-2/W-05 Pipe - Valve	2RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-030							
R-A R1.20	2RC13AB-2/W-01 SOL - Pipe	2RC13AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-031							
R-A R1.20	2RC13AC-2/W-01 SOL - Pipe	2RC13AC-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-032							

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.		Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments								
R-A	R1.20	2RC13AD-2/W-01 SOL - Pipe	2RC13AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-033								
R-A	R1.11	2RC14AA-2/W-01 SOL - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-036								
R-A	R1.11	2RC14AA-2/W-01A Pipe - Tee	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-037								
R-A	R1.11	2RC14AA-2/W-01B Tee - Reducer	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-038								
R-A	R1.11	2RC14AA-2/W-01C Tee - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-039								
R-A	R1.11	2RC14AA-2/W-02 Pipe - Elbow	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-040								
R-A	R1.11	2RC14AA-2/W-03 Elbow - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-041								
R-A	R1.11	2RC14AA-2/W-04 Pipe - Elbow	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-042								
R-A	R1.11	2RC14AA-2/W-05 Elbow - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-043								
R-A	R1.11	2RC14AA-2/W-06 Pipe - Valve	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-044								
R-A	R1.11	2RC14AA-2/W-07 Valve - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-045								

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11	2RC14AA-2/W-08 Pipe - Tee	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-046							
R-A R1.11	2RC14AA-2/W-09 Tee - Reducer	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-047							
R-A R1.11	2RC14AA-2/W-10 Tee - Pipe	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-048							
R-A R1.11	2RC14AA-2/W-11 Pipe - Valve	2RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-049							
R-A R1.11	2RC16AA-2/W-03 Valve - Pipe	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-053							
R-A R1.11	2RC16AA-2/W-04 Pipe - Elbow	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-054							
R-A R1.11	2RC16AA-2/W-05 Elbow - Pipe	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-055							
R-A R1.11	2RC16AA-2/W-06 Pipe - Elbow	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-056							
R-A R1.11	2RC16AA-2/W-07 Elbow - Pipe	2RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-057							
R-A R1.11	2RC16AB-2/W-04 Pipe - Elbow	2RC16AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-058							
R-A R1.11	2RC16AB-2/W-05 Elbow - Pipe	2RC16AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-059							

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.		Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments								
R-A	R1.20	2RC16AC-2/W-08 Pipe - SOL	2RC16AC-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-024								
R-A	R1.20	2RC16AD-2/W-01 Valve - Pipe	2RC16AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-025								
R-A	R1.11	2RC21AA-8/J05 Pipe - Elbow	2RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-086 ID Geometry seen below recording levels.								
R-A	R1.11	2RC21AA-8/J06 Elbow - Pipe	2RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-087 ID Geometry seen below recording levels.								
R-A	R1.11	2RC21AB-8/J07 Pipe - Elbow	2RC21AB-8	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-090								
R-A	R1.11	2RC21AB-8/J08 Elbow - Pipe	2RC21AB-8	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-091								
R-A	R1.11	2RC21AB-8/J09 Pipe - Elbow	2RC21AB-8	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-092								
R-A	R1.11	2RC21AB-8/J10 Elbow - Pipe	2RC21AB-8	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-093								
R-A	R1.20	2RC22AA-1.5/W-01 SOL - Pipe	2RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-020								
R-A	R1.20	2RC22AA-1.5/W-05 Elbow - Pipe	2RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-021								

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.20	2RC22AC-1.5/W-01 SOL - Pipe	2RC22AC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-022							
R-A R1.20	2RC22AC-1.5/W-06 Pipe - Tee	2RC22AC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-023							
R-A R1.20	2RC22AD-1.5/W-01 SOL - Pipe	2RC22AD-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-018							
R-A R1.20	2RC22AD-1.5/W-08 Pipe - Tee	2RC22AD-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-019							
R-A R1.20	2RC24AA-4/J06 Pipe - Elbow	2RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-094							
R-A R1.20	2RC24AA-4/J07 Elbow - Pipe	2RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-095							
R-A R1.20	2RC24AA-4/J09 Pipe - Elbow	2RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-096							
R-A R1.20	2RC24AA-4/J10 Elbow - Pipe	2RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	UT	NRI
OBS 17-097							
R-A R1.20	2RC26A-2/W-01 SOL - Pipe	2RC26A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-034							
R-A R1.20	2RC26A-2/W-02 Pipe - Valve	2RC26A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-035							
N/A N/A	2RC28A-3/Zone 1 Elbow - SOL	2RC28A-3			100	UT VE	NRI NRI
OBS 17-130 UT and VE examinations of the weld (2RC28A-3/J07) and elbow base materials per MRP-146 requirements see WO 01577166 for reports.							

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11	2RC30AA-1.5/W-01.01 Valve - Reducer	2RC30AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-079							

Weld / Component Outage Summary

SYSTEM: Reactor Pressure Vessel (RPV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
B-N-3 B13.70	2RC-01-R/CORE SUPP STRUCT Core Support Structure	2RC-01-R				VT-3	NRI
OBS 17-112A Exam not credited for ASME XI, see B2R13 for credited examination. Exam area accessible due to core barrel removal.							
B-N-2 B13.60	2RC-01-R/INT ATTACH NONBELT Interior Attachment Non-Beltline	2RC-01-R				VT-3	NRI
OBS 17-112B Exam not credited for ASME XI, see B2R13 for credited examination. Exam area accessible due to core barrel removal. See WO 01481167 for reports.							
N/A B15.80	2RC-01-R/RPV BMI RPV Bottom Mounted Instruments	2RC-01-R			100	VE	NRI
OBS 17-109 Examination per N-722-1 requirements, see WO 01480227 for reports.							
N/A B4.20	2RC-01-R/RPV HEAD PEN	2RC-01-R	I3R-16		84	UT	IND
	RPV Head Penetrations J-Weld		I3R-18		100	PT	NRI
OBS 17-110 Examination per N-729-1 requirements. Penetration 68 only. See WO#01489754. UT Indication classified as fabrication flaw from repair welding in B2R13. No change in flaw seen in this examination.							
N/A B4.10	2RC-01-R/RPV HEAD SURF RPV Head Penetrations	2RC-01-R				VE	NRI
OBS 17-111 BMV per N-729-1 requirements, see WO 01480228 for reports.							
B-N-1 B13.10	2RC-01-R/RPV INTERIOR RPV Interior Surfaces	2RC-01-R				VT-3	NRI
OBS 17-112 Minor debris noted and cleaned during final FOSAR. See WO 01481167 for reports.							

Weld / Component Outage Summary

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11	2RY18A-2/W-01 Valve - Pipe	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-001							
R-A R1.11	2RY18A-2/W-02 Pipe - Elbow	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-002							
R-A R1.11	2RY18A-2/W-03 Elbow - Pipe	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-003							
R-A R1.11	2RY18A-2/W-04 Pipe - WOL	2RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-004							

Weld / Component Outage Summary

SYSTEM: Steam Generator (SG)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
N/A B15.120	2RC-01-BA/DRAIN SG Channel Head Drain	2RC-01-BA				VE	NRI
OBS 17-105 Examination per N-722-1 requirements, see WO 01480204 for reports.							
C-A C1.20	2RC-01-BA/SGC-08 Upper Barrel "B" - Upper Head	2RC-01-BA			100	UT	RI
OBS 17-098 30% DAC spot indication with no measurable through-wall depth. Evaluated as an ID surface imperfection. No other indications seen.							
N/A B15.120	2RC-01-BB/DRAIN SG Channel Head Drain	2RC-01-BB				VE	NRI
OBS 17-106 Examination per N-722-1 requirements, see WO 01480206 for reports.							
C-A C1.10	2RC-01-BB/SGC-05 Lower Barrel "B" - Transition Cone	2RC-01-BB			100	UT	NRI
OBS 17-099 100% examination and review of previously identified indications. Previous indications seen below recording criteria. No change noted in PSI indications. No recordable indications were seen with current recording criteria.							
C-B C2.21	2RC-01-BB/SGN-03 Main Steam Nozzle	2RC-01-BB			100 100 100	MT MT UT	IND RI NRI
OBS 17-100 0.3" and 0.5" linear indications (0.375" maximum allowable). Ref: IR 01503278 and EC 393397. Examination after blending. Both indications 0.30" in length.							
N/A B15.120	2RC-01-BC/DRAIN SG Channel Head Drain	2RC-01-BC				VE	NRI
OBS 17-107 Examination per N-722-1 requirements, see WO 01480220 for reports.							
N/A B15.120	2RC-01-BD/DRAIN SG Channel Head Drain	2RC-01-BD				VE	NRI
OBS 17-108 Examination per N-722-1 requirements, see WO 01480222 for reports.							

Weld / Component Outage Summary

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11	2SI08HA-2/W-01 Reducer - Coupling	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-060							
R-A R1.11	2SI08HA-2/W-02 Coupling - Pipe	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-061							
R-A R1.11	2SI08HA-2/W-03 Pipe - Flange	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-062							
R-A R1.11	2SI08HA-2/W-04 Flange - Pipe	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-063							
R-A R1.11	2SI08HA-2/W-05 Pipe - Coupling	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-064							
R-A R1.11	2SI08HA-2/W-06 Coupling - Reducer	2SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-065							
R-A R1.11	2SI08JA-1.5/W-01 Reducer - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-066							
R-A R1.11	2SI08JA-1.5/W-02 Pipe - Elbow	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-067							
R-A R1.11	2SI08JA-1.5/W-03 Elbow - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-068							
R-A R1.11	2SI08JA-1.5/W-04 Pipe - Elbow	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-069							
R-A R1.11	2SI08JA-1.5/W-05 Elbow - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-070							

Weld / Component Outage Summary

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Actual Exam	Results
Comments							
R-A R1.11	2SI08JA-1.5/W-05A Pipe - Valve	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-071							
R-A R1.11	2SI08JA-1.5/W-05B Valve - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-072							
R-A R1.11	2SI08JA-1.5/W-06 Pipe - Elbow	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-073							
R-A R1.11	2SI08JA-1.5/W-07 Elbow - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-074							
R-A R1.11	2SI08JA-1.5/W-10 Pipe - Flange	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-075							
R-A R1.11	2SI08JA-1.5/W-11 Flange - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-076							
R-A R1.11	2SI08JA-1.5/W-14 Pipe - Coupling	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-077							
R-A R1.11	2SI08JA-1.5/W-15 Coupling - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	NRI
OBS 17-078							

Weld / Component Outage Summary (Preservice Inspections)

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
R-A	R1.11	2RC30AA-1.5/W-01.01 Valve - Reducer	2RC30AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		SURF VT-2	PT VT-2	NRI NRI
Comments: Baseline exams of socket weld W1 with valve 2SI8900A replacement. See WO 01480597 for reports.									
R-A	R1.11	2RC30AB-1.5/W-01.01 Valve - Reducer	2RC30AB-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Comments: Baseline exams of socket weld W1 with valve 2SI8900B replacement. See WO 01480589 for reports.									
R-A	R1.11	2RC30AC-1.5/W-01.01 Valve - Reducer	2RC30AC-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Comments: Baseline exams of socket weld W1 with valve 2SI8900C replacement. See WO 01480596 for reports.									
R-A	R1.11	2RC30AD-1.5/W-01.01 Valve - Reducer	2RC30AD-1.5	I3R-02	B9.40 I3T-01 I3T-02		SURF VT-2	PT VT-2	NRI NRI
Comments: Baseline exams of socket weld W1 with valve 2SI8900D replacement. See WO 01480599 for reports.									

Weld / Component Outage Summary (Preservice Inspections)

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments									
R-A	NA	2SI03DA-2/W-01.01 Valve - Pipe	2SI03DA-2	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W3 with valve 2SI8905A replacement. See WO 01025526 for reports.									
R-A	NA	2SI03DA-2/W-02.01 Pipe - Elbow	2SI03DA-2	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W4 with valve 2SI8905A replacement. See WO 01025526 for reports.									
R-A	NA	2SI03DA-2/W-03.01 Elbow - Pipe	2SI03DA-2	I3R-02	B9.40 I3T-01 I3T-02		SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W5 with valve 2SI8905A replacement. See WO 01025526 for reports.									
R-A	R1.11	2SI08JA-1.5/W-35.01 Pipe - Elbow	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W4 with valve 2SI8900A replacement. See WO 01480597 for reports.									
R-A	R1.11	2SI08JA-1.5/W-36.01 Elbow - Pipe	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W3A with valve 2SI8900A replacement. See WO 01480597 for reports.									
R-A	R1.11	2SI08JA-1.5/W-37.01 Pipe - Valve	2SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W2A with valve 2SI8900A replacement. See WO 01480597 for reports.									
R-A	R1.11	2SI08JB-1.5/W-38.01 Elbow - Pipe	2SI08JB-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W3 with valve 1SI8900B replacement. See WO 01470598 for reports.									
R-A	R1.11	2SI08JB-1.5/W-39.01 Pipe - Valve	2SI08JB-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W2 with valve 1SI8900B replacement. See WO 01470598 for reports.									
R-A	R1.11	2SI08JC-1.5/W-39.01 Pipe - Elbow	2SI08JC-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W4 with valve 2SI8900C replacement. See WO 01480596 for reports.									
R-A	R1.11	2SI08JC-1.5/W-40.01 Elbow - Pipe	2SI08JC-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W3 with valve 2SI8900C replacement. See WO 01480596 for reports.									
R-A	R1.11	2SI08JC-1.5/W-41.01 Pipe - Valve	2SI08JC-1.5	I3R-02	B9.40 I3T-01 I3T-02		SURF VT-2	PT VT-2	NRI NRI
Baseline exams of socket weld W2 with valve 2SI8900C replacement. See WO 01480596 for reports.									

Weld / Component Outage Summary (Preservice Inspections)

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Section XI Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
R-A	R1.11	2SI08JD-1.5/W-38.01 Pipe - Valve	2SI08JD-1.5	I3R-02	B9.40 I3T-01 I3T-02	100	SURF VT-2	PT VT-2	NRI NRI

Comments: Baseline exams of socket weld W2 with valve 2SI8900D replacement. See WO 01480599 for reports.

Detailed Inservice Inspection Bolts, Pumps, and Valves Listing (PSI)

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	Component ID / Description	Relief Requests	Technical Notes	Actual Exam	Results
B-G-2	B7.50	2RY03BA-6/FLG 1-12 Piping Flange Bolting			VT-1	NRI
Comments: Baseline exam for 2RY8010A replacement. See WO 01450986 for report.						

Pressure Test Outage Summary

SYSTEM: Auxiliary Feedwater System (AF)

Section XI Cat.	Section XI Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
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 Cat.	Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
C-H	C7.10	2-CS-2-1		I3T-04	VT-2	RI
Minor packing leak on 2CS001A (WO 1313175, IR 0121069 & 01039250). Minor packing leak on 2CS002A (IR 01436621). Body to Bonnet inactive leak on 2SI001A (IR 01436560, BACC Evaluation BYR201211222).						
C-H	C7.10	2-CS-2-2		I3T-04	VT-2	RI
Packing leakage on 2CS009A (IR 01308001).						

Pressure Test Outage Summary

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
C-H	C7.10	2-CV-2-1		I3T-04	VT-2	RI
2CV01PA pump seals (WO 01473434). 2CV01PA pump casing Flange (IR 01439397) BACC Eval BYR20116107.						
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
					VT-2	NRI
C-H	C7.10	2-CV-2-4		I3T-04	VT-2	NRI
C-H	C7.10	2-CV-2-5		I3T-04	VT-2	RI
RI - 2CV131 (IR# 150) Boric Acid Leakage acceptable as-is per Eval# BYR201312102. Dry boric acid, no active leak.						
C-H	C7.10	2-CV-2-6		I3T-04	VT-2	RI
2CV8117 Relief Valve Inlet Flange IR# 1507959. Boric Acid Evaluation# BYR201312083 accepted this condition as-is. Dry Boric acid, no active leakage.						
C-H	C7.10	2-CV-2-7		I3T-04	VT-2	NRI
C-H	C7.10	2-CV-2-8		I3T-04	VT-2	NRI

Pressure Test Outage Summary

SYSTEM: Fuel Pool Cooling System (FC)

Section XI Cat.	Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
C-H	C7.10	2-FC-2-1		I3T-04	VT-2	NRI
IO- on dried boron on pipe cap downstream of 2FC007						

Pressure Test Outage Summary

SYSTEM: Feedwater System (FW)

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

Pressure Test Outage Summary

SYSTEM: Primary Containment (PC)

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

Pressure Test Outage Summary

SYSTEM: Process Sampling System (PS)

Section XI Cat.	Section XI Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
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: Reactor Coolant System (RC)

Section XI Cat.	Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
B-P	B15.10	2-RC-1-1		I3T-04	VT-2	NRI
					VT-2	NRI
WO 01491018-01 for RX under vessel examination.						

Pressure Test Outage Summary

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
C-H	C7.10	2-RH-2-1		I3T-04	VT-2	RI
2RH606 Packing leakage IR 01454402 BACC Eval BYR201211391. 2RH618 Packing leakage IR 01454391 BACC Eval BYR201211390. 2CS001A Previous minor packing leak (WO 1313175, IR 0121069 & 01039250).						
C-H	C7.10	2-RH-2-2		I3T-04	VT-2	RI
2SI138B Pipe Cap IR 01434346 BACC Eval BYR201211224. 2SI8958B Body to Bonnet IR 01434359 BACC Eval BYR20117662. 2SIJ8BA-.75 Sight Glass Flange IR 01434364 Previous leakage IR 01355737 BACC Eval BYR20129548. 2RH01PB Previous leakage IR 01185736 BACC Eval BYR20115402.						
C-H	C7.10	2-RH-2-3		I3T-04	VT-2	NRI
C-H	C7.10	2-RH-2-6		I3T-04	VT-2	NRI

Pressure Test Outage Summary

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
C-H	C7.10	2-SI-2-1		I3T-04	VT-2	NRI
C-H	C7.10	2-SI-2-2		I3T-04	VT-2	NRI
C-H	C7.10	2-SI-2-3		I3T-04	VT-2	NRI
C-H	C7.10	2-SI-2-4		I3T-04	VT-2	RI
Comments: 2SI8958B Body to Bonnet Previous leakage IR 00712138 BACC Eval 2007-351.						
C-H	C7.10	2-SI-2-5		I3T-04	VT-2	NRI
					VT-2	NRI
C-H	C7.10	2-SI-2-6		I3T-04	VT-2	NRI
C-H	C7.10	2-SI-2-7		I3T-04	VT-2	NRI

Pressure Test Outage Summary

SYSTEM: Essential Service Water System (SX)

Section XI Cat.	Item	Component ID	Relief Requests	Technical Notes	Actual Exam	Results
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 Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.40	2CV-01-PA/L1 CV PUMP 2A LUG 1	2CV-01-PA			VT-3	NRI
F-A	F1.40	2CV-01-PA/L2 CV PUMP 2A LUG 2	2CV-01-PA			VT-3	NRI
F-A	F1.40	2CV-01-PA/L3 CV PUMP 2A LUG 3	2CV-01-PA			VT-3	NRI
F-A	F1.40	2CV-01-PA/L4 CV PUMP 2A LUG 4	2CV-01-PA			VT-3	NRI
F-A	F1.10	2CV45B-2/2RY06120X SEISMIC	2CV45B-2			VT-3	NRI
F-A	F1.10	2CV45B-2/2RY06121X SEISMIC	2CV45B-2			VT-3	NRI
F-A	F1.10	2CVA3B-2/2CV11010X SEISMIC	2CVA3B-2			VT-3	NRI
F-A	F1.10	2CVA3B-2/2CV15033X SEISMIC	2CVA3B-2			VT-3	NRI
F-A	F1.10	2CVA3B-2/2CV16024X SEISMIC	2CVA3B-2			VT-3	NRI
F-A	F1.10	2CVA3B-2/2CV16030X SEISMIC	2CVA3B-2			VT-3	NRI
F-A	F1.10	2CVA3B-2/2CV16084X SEISMIC	2CVA3B-2			VT-3	NRI
F-A	F1.10	2CVA5AA-2/2CV15018V VARIABLE	2CVA5AA-2			VT-3	NRI
F-A	F1.10	2CVA5AA-2/2CV15021X SEISMIC	2CVA5AA-2			VT-3	NRI
F-A	F1.10	2CVA6AA-2/2CV09025X SEISMIC	2CVA6AA-2			VT-3	NRI
F-A	F1.10	2CVA6AA-2/2CV25025X SEISMIC	2CVA6AA-2			VT-3	NRI

Component Support Outage Summary

SYSTEM: Feedwater System (FW)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.20	2FW03DA-16/2FW02009X SEISMIC	2FW03DA-16			VT-3	NRI
F-A	F1.20	2FW87CA-6/2FW06011X SEISMIC	2FW87CA-6			VT-3	NRI
F-A	F1.20	2FW87CA-6/2FW06015X SEISMIC	2FW87CA-6			VT-3	NRI
F-A	F1.20	2FW87CD-6/2FW09002C CONSTANT	2FW87CD-6			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	2MS07AD-28/2MS01211R RIGID	2MS07AD-28			VT-3	NRI

Component Support Outage Summary

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.40	2RC-01-BB/ULR SG B UPPER LATERAL RESTRAINT	2RC-01-BB				
F-A	F1.40	2RC-01-R/S REACTOR VESSEL SUPPORT	2RC-01-R			VT-3	NOLK
F-A	F1.10	2RC16AA-2/2CV12005X SEISMIC	2RC16AA-2			VT-3	NRI
F-A	F1.10	2RC24AA-4/2RY06016X SEISMIC	2RC24AA-4			VT-3	NRI
F-A	F1.10	2RC24AA-4/2RY06035X SEISMIC	2RC24AA-4			VT-3	NRI

Component Support Outage Summary

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	2RH01AA-12/2RH02053X SEISMIC	2RH01AA-12			VT-3	NRI
F-A	F1.40	2RH-01-PA/L1 RH PUMP 2A LUG 1	2RH-01-PA			VT-3	NRI
F-A	F1.40	2RH-01-PA/L2 RH PUMP 2A LUG 2	2RH-01-PA			VT-3	NRI
F-A	F1.40	2RH-01-PA/L3 RH PUMP 2A LUG 3	2RH-01-PA			VT-3	NRI
F-A	F1.40	2RH-02-AB/L1 RH HX B LUG 1	2RH-02-AB			VT-3	NRI
F-A	F1.40	2RH-02-AB/SKT RH HX B SKIRT	2RH-02-AB			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-6/2RY06022X SEISMIC	2RY01B-6			VT-3	NRI
F-A	F1.10	2RY01B-6/2RY06029X SEISMIC	2RY01B-6			VT-3	NOLK
F-A	F1.10	2RY18A-2/2RY06115V VARIABLE	2RY18A-2			VT-3	NOLK

Component Support Outage Summary

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.20	2SI05CA-8/2SI01022X SEISMIC	2SI05CA-8			VT-3	NRI
F-A	F1.20	2SI05CA-8/2SI01026X SEISMIC	2SI05CA-8			VT-3	NRI
F-A	F1.20	2SI05CA-8/2SI01038X SEISMIC	2SI05CA-8			VT-3	NRI
F-A	F1.20	2SI05CA-8/2SI03021X SEISMIC	2SI05CA-8			VT-3	NRI
F-A	F1.20	2SI05CA-8/2SI03025V VARIABLE	2SI05CA-8			VT-3	NRI
F-A	F1.20	2SI05CA-8/2SI03029X SEISMIC	2SI05CA-8			VT-3	NRI
F-A	F1.10	2SI05DA-6/2SI01017X SEISMIC	2SI05DA-6			VT-3	NRI
F-A	F1.10	2SI05DA-6/2SI01029X SEISMIC	2SI05DA-6			VT-3	NRI
F-A	F1.10	2SI05DA-6/2SI01031X SEISMIC	2SI05DA-6			VT-3	NRI
F-A	F1.10	2SI05DA-6/2SI01032X SEISMIC	2SI05DA-6			VT-3	NRI
F-A	F1.10	2SI08E-3/2SI21022X SEISMIC	2SI08E-3			VT-3	NRI
F-A	F1.10	2SI08FA-3/2SI23011X SEISMIC	2SI08FA-3			VT-3	NRI
F-A	F1.10	2SI08FA-3/2SI23012A ANCHOR	2SI08FA-3			VT-3	NRI
F-A	F1.10	2SI08GB-1-1/2/2SI25004X SEISMIC	2SI08GB-1-1/2			VT-3	NRI
F-A	F1.10	2SI08GB-1-1/2/2SI25007X SEISMIC	2SI08GB-1-1/2			VT-3	NRI
F-A	F1.10	2SI08JA-1-1/2/2SI24012X SEISMIC	2SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	2SI08JA-1-1/2/2SI25010X SEISMIC	2SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	2SI08JA-1-1/2/2SI25012X SEISMIC	2SI08JA-1-1/2			VT-3	NRI

Component Support Outage Summary

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	2SIA4B-8/2RH02083X SEISMIC	2SIA4B-8			VT-3	NRI

Component Support Outage Summary

SYSTEM: Essential Service Water System (SX)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
F-A	F1.20	2SX06BB-16/2PC-7A ANCHOR	2SX06BB-16			VT-3 VT-3	NRI NRI
F-A	F1.20	2SX06BB-16/2SX07001G GUIDE	2SX06BB-16			VT-3	NRI
F-A	F1.20	2SX06CB-14/2SX07007X SEISMIC	2SX06CB-14			VT-3	NRI
F-A	F1.20	2SX07BD-10/2SX09078X SEISMIC	2SX07BD-10			VT-3	NRI
F-A	F1.20	2SX07CB-10/2SX09038X SEISMIC	2SX07CB-10			VT-3	NRI
F-A	F1.20	2SX07CD-10/2SX09077X SEISMIC	2SX07CD-10			VT-3	NRI
F-A	F1.20	2SX07EB-14/2SX09011X SEISMIC	2SX07EB-14			VT-3	NRI
F-A	F1.20	2SX08BD-10/2SX07025X SEISMIC	2SX08BD-10			VT-3	NRI

Snubber Outage Summary

SYSTEM: Containment Spray System (CS)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
F-A	F1.20	2CS02AB-10/2CS03B022S SNUBBER	2CS02AB-10		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: Chemical & Volume Control System (CV)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
NA	NA	2CV10B-3/2CV04015S SNUBBER	2CV10B-3		SR	VT-3	NRI
NA	NA	2CV10CA-3/2CV03002S SNUBBER	2CV10CA-3		SR	VT-3 FT	NRI PASS
NA	NA	2CV10CA-3/2CV22002S SNUBBER	2CV10CA-3		SR	VT-3	NRI
F-A	F1.10	2CV10DB-3/2CV02009S SNUBBER	2CV10DB-3		SR	VT-3 FT	NRI PASS
NA	NA	2CV14EA-2/2CV34008S SNUBBER	2CV14EA-2		SR	VT-3 FT	NRI PASS
NA	NA	2CV14EB-2/2CV36006S SNUBBER	2CV14EB-2		SR	VT-3 FT	NRI PASS
NA	NA	2CV14EC-2/2CV40007S SNUBBER	2CV14EC-2		SR	VT-3 FT	NRI
NA	NA	2CV14ED-2/2CV41012S SNUBBER	2CV14ED-2		SR	VT-3	NRI
NA	NA	2CV15E-3/4/2CV31020S SNUBBER	2CV15E-3/4		SR	VT-3 FT	NRI PASS
NA	NA	2CV44AB-3/4/2CV65009S SNUBBER	2CV44AB-3/4		SR	VT-3 FT	NRI PASS
F-A	F1.10	2CV45-2/2CV22009S SNUBBER	2CV45B-2		SR	VT-3	NRI
F-A	F1.10	2CVA5AA-2/2CV15054S SNUBBER	2CVA5AA-2		SR	VT-3	NRI
F-A	F1.10	2CVA7AA-2/2CV25016S SNUBBER	2CVA7AA-2		SR	VT-3 FT	NRI PASS
F-A	F1.10	2CVB7A-3/2CV06004S SNUBBER	2CVB7A-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

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SYSTEM: Feedwater System (FW)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
F-A	F1.20	2FW03DA-16/2FW02012S SNUBBER	2FW03DA-16		SR	VT-3	NRI
F-A	F1.20	2FW87CA-6/2FW06013S SNUBBER	2FW87CA-6		SR	VT-3	NRI
N/A	SNUB	2FW87CB-6/2FW07004-S1 SNUBBER	2FW87CB-6		DBL SR	VT-3	NRI
N/A	SNUB	2FW87CB-6/2FW07004-S2 SNUBBER	2FW87CB-6		DBL SR	VT-3	NRI
F-A	F1.20	2FW87CB-6/2FW07005S SNUBBER	2FW87CB-6		SR	VT-3	NRI
F-A	F1.20	2FW87CB-6/2FW07006S SNUBBER	2FW87CB-6		SR	VT-3	NRI
F-A	F1.20	2FW87CB-6/2FW07014S SNUBBER	2FW87CB-6		SR	VT-3 FT	NRI PASS
F-A	F1.20	2FW87CB-6/2FW07019S SNUBBER	2FW87CB-6		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: Main Steam System (MS)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
N/A	SNUB	2MS01AA-30.25/2MS05007-S1 SNUBBER	2MS01AA-30.25		DBL SR	VT-3 FT	NRI PASS
N/A	SNUB	2MS01AA-30.25/2MS05007-S2 SNUBBER	2MS01AA-30.25		DBL SR	VT-3 FT	NRI PASS
F-A	F1.20	2MS07AD-28/2MS01088S SNUBBER	2MS07AD-28		 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 Cat	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
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
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	NRI
F-A	F1.40	2RC01BC-2C/2RC01BC-B SNUBBER	2RC01BC-2C		SR	VT-3	NRI
F-A	F1.40	2RC01BD-2D/2RC01BD-A SNUBBER	2RC01BD-2D		SR	VT-3	NRI
F-A	F1.40	2RC01BD-2D/2RC01BD-B SNUBBER	2RC01BD-2D		SR	VT-3 FT	NRI PASS
F-A	F1.10	2RC13AC-2/2CV15045S SNUBBER	2RC13AC-2		SR	VT-3	NRI
F-A	F1.10	2RC14AC-2/2CV09034S SNUBBER	2RC14AC-2		SR	VT-3	NRI
F-A	F1.10	2RC16AA-2/2CV12006S SNUBBER	2RC16AA-2		SR	VT-3	NRI
F-A	F1.10	2RC16AB-2/2CV24003S SNUBBER	2RC16AB-2		SR	VT-3 FT	NRI PASS
NA	NA	2RC20AC-3/4/2RC18009S SNUBBER	2RC20AC-3/4		SR	VT-3 FT	NRI PASS
F-A	F1.10	2RC22AC-1.5/2RC18007S SNUBBER	2RC22AC-1-1/2		SR	VT-3 FT	NRI PASS
F-A	F1.10	2RC22AC-1.5/2RC18014S SNUBBER	2RC22AC-1-1/2		SR	VT-3	NRI
NA	NA	2RC48BA-1/2/2RC90A001S SNUBBER	2RC48BA-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: Residual Heat Removal System (RH)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	2RH01AA-12/2RH02068S SNUBBER	2RH01AA-12		SR	VT-3 FT	NRI PASS
F-A	F1.10	2RH01AB-12/2RH02003S SNUBBER	2RH01AB-12		SR	VT-3	NRI
F-A	F1.10	2RH01AB-12/2RH02013S SNUBBER	2RH01AB-12		SR	VT-3	NRI
NA	NA	2RH26AB-3/4/2RH02115S SNUBBER	2RH26AB-3/4		SR	VT-3 FT	NRI PASS
NA	NA	2RH26AB-3/4/2RH02116S SNUBBER	2RH26AB-3/4		SR	VT-3	NRI

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 (RY)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
N/A	SNUB	2RY02B-3/2RY09067-S1 SNUBBER	2RY02B-3		DBL SR	VT-3	NRI
N/A	SNUB	2RY02B-3/2RY09067-S2 SNUBBER	2RY02B-3		DBL SR	VT-3	NRI
F-A	F1.10	2RY02B-3/2RY09100S SNUBBER	2RY02B-3		 SR	VT-3 FT	NRI PASS
F-A	F1.10	2RY06A-3/2RY09012S SNUBBER	2RY06A-3		 SR	VT-3	NRI
N/A	SNUB	2RY06A-3/2RY09060-S1 SNUBBER	2RY06A-3		DBL SR	VT-3 FT	NRI PASS
N/A	SNUB	2RY06A-3/2RY09060-S2 SNUBBER	2RY06A-3		DBL SR	VT-3 FT	NRI PASS
F-A	F1.10	2RY06A-3/2RY09078S SNUBBER	2RY06A-3		 SR	VT-3	NRI
F-A	F1.10	2RY06A-3/2RY09101S SNUBBER	2RY06A-3		 SR	VT-3	NRI
NA	NA	2RY07AC-3/4/2RY27016S SNUBBER	2RY07AC-3/4		 SR	VT-3	NRI
F-A	F1.10	2RY11A-14/2RY05010S SNUBBER	2RY11A-14		 SR	VT-3 FT	NRI PASS
NA	NA	2RY34CD-1/2/2RC91001S SNUBBER	2RY34CD-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: Steam Generator Blowdown System (SD)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
NA	NA	2SD01CA-2/2SD21034S SNUBBER	2SD01CA-2		SR	VT-3 FT	NRI PASS
NA	NA	2SD01CD-2/2SD24026S SNUBBER	2SD01CD-2		SR	VT-3 FT	NRI PASS
NA	NA	2SD01CF-2/2SD05002-S1 SNUBBER	2SD01CF-2		DBL SR	VT-3 FT	NRI PASS
NA	NA	2SD01CF-2/2SD05002-S2 SNUBBER	2SD01CF-2		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: Safety Injection System (SI)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	2SI04D-8/2RH02061S SNUBBER	2SI04D-8		SR	VT-3 FT	NRI PASS
F-A	F1.20	2SI05CA-8/2SI01023S SNUBBER	2SI05CA-8		SR	VT-3	NRI
F-A	F1.10	2SI05DD-6/2SI03009S SNUBBER	2SI05DD-6		SR	VT-3	NRI
F-A	F1.10	2SI05DD-6/2SI03018S SNUBBER	2SI05DD-6		SR	VT-3	NRI
F-A	F1.10	2SI08JD-1.5/2SI22018S SNUBBER	2SI08JD-1.5		SR	VT-3 FT	NRI PASS
F-A	F1.10	2SI08JD-1.5/2SI22020S SNUBBER	2SI08JD-1.5		SR	VT-3	NRI
N/A	SNUB	2SI09BC-10/2SI09002-S1 SNUBBER	2SI09BC-10		DBL SR	VT-3 FT	NRI PASS
N/A	SNUB	2SI09BC-10/2SI09002-S2 SNUBBER	2SI09BC-10		DBL SR	VT-3 FT	NRI PASS
F-A	F1.10	2SI09BD-10/2SI03001S SNUBBER	2SI09BD-10		SR	VT-3	NRI

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

(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.)			
			# Exams Completed								% Exams Completed		
Item No.	# of Comp	Total Selected	Min	Per 1	Max	Min	Per 2	Max	Per 3	% Selected	Period 1	Period 2	Period 3
Category B-A Deferred Exams													
B1.11	3	3	N/A	3	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B1.21	2	2	N/A	1	N/A	N/A	0	N/A	0	100.00%	50.00%	50.00%	50.00%
B1.30	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B1.40	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
Totals:	**7**	**7**	N/A	**5**	N/A	N/A	**0**	N/A	**0**	**100.00%**	**71.43%**	**71.43%**	**71.43%**

1. Examination completion exceeds 50.00% for 1st Period. The examinations were performed at the beginning of the Inspection Interval as allowed by Relief Request I3R-01.
2. (B1.21 and B1.40): Examinations deferred to the end of the interval as allowed by Table IWB-2500-1.
3. Completion percentages of the category are not required per IWB-2412(a)(3).

Category B-B Non-Deferred Exams													
B2.11	2	2	-	0	-	-	1	-	0	100.00%	0.00%	50.00%	50.00%
B2.12	2	2	-	0	-	-	1	-	0	100.00%	0.00%	50.00%	50.00%
B2.40	4	1	-	1	-	-	0	-	0	25.00%	100.00%	100.00%	100.00%
Totals:	**8**	**5**	1	**1**	2	2	**2**	2	**0**	**62.50%**	**20.00%**	**60.00%**	**60.00%**

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													
B3.110	6	6	-	1	-	-	3	-	0	100.00%	16.67%	66.67%	66.67%
B3.120	6	6	-	1	-	-	4	-	0	100.00%	16.67%	83.33%	83.33%
B3.140	8	8	-	4	-	-	0	-	0	100.00%	50.00%	50.00%	50.00%
Totals:	**20**	**20**	4	**6**	10	4	**7**	8	**0**	**100.00%**	**30.00%**	**65.00%**	**65.00%**

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.

Category B-D Deferred Exams													
B3.90	8	8	N/A	8	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B3.100	8	8	N/A	8	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
Totals:	**16**	**16**	N/A	**16**	N/A	N/A	**0**	N/A	**0**	**100.00%**	**100.00%**	**100.00%**	**100.00%**

1. Per Examination Category B-D, Note 5, for PWR's in the second and successive inspection intervals, these examinations may be deferred to the end of the interval provided no repair/replacement activities have been performed on the examination item, and no flaws or relevant conditions requiring successive inspections in accordance with IWB-2420(b) are contained in the examination item.

(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.)			
			# Exams Completed								**% Exams Completed**			
Item No.	**# of Comp**	**Total Selected**	**Min**	**Per 1**	**Max**	**Min**	**Per 2**	**Max**	**Per 3**	**% Selected**	**Period 1**	**Period 2**	**Period 3**	

2. (B3.90 & B3.100): Examination completion exceeds 50.00% for 1st Period and 75.00% for this 2nd Period. The examinations were performed at the beginning of the Inspection Interval as allowed by Relief Request I3R-01.

Category B-G-1 Non-Deferred Exams

B6.40	1	1	N/A	0	N/A	N/A	1	N/A	0	100.00%	0.00%	100.00%	100.00%
Totals:	**1**	**1**	N/A	**0**	N/A	N/A	**1**	N/A	**0**	**100.00%**	**0.00%**	**100.00%**	**100.00%**

1. A single component representing all of the 54 Reactor Vessel Threads in Flange to be examined.

Category B-G-1 Deferred Exams

B6.10	3	3	N/A	3	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B6.20	3	3	N/A	3	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
B6.40	1	1	N/A	0	N/A	N/A	1	N/A	0	100.00%	0.00%	100.00%	100.00%
B6.50	3	3	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B6.170	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B6.180	4	1	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B6.190	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B6.210	8	2	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B6.220	8	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B6.230	8	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
Totals:	**42**	**13**	N/A	**6**	N/A	N/A	**0**	N/A	**0**	**30.95%**	**46.15%**	**46.15%**	**46.15%**

1. (B6.10 & B6.20 & B6.50): Single components representing one third of the 54 Reactor Vessel Closure Head Nuts, Closure Studs, and Closure Washers, Bushings. The examinations were performed at the beginning of the Inspection Interval as allowed by Relief Request I3R-01.
2. (B6.170): A single component represents the five sets of CETC column nuts.
3. (B6.180): Four components are tracked in the database, each representing one of the 24 Bolts on one of the four Reactor Coolant Pumps (96 total) as reported in the ISI Program Plan. The volumetric examination of these components is limited to only one of the pumps per Examination Category B-G-1, Note 3 and Examination Category B-L-2, Note 1. Examination is required only once per inspection interval.
4. (B6.190): Four components are tracked in the database, each representing the associated Flange Surfaces for one of the four Reactor Coolant Pumps (4 total) as reported in the ISI Program Plan. The visual examination of these components is limited to only one of the pumps per Examination Category B-G-1, Note 3 and Examination Category B-L-2, Note 1. Also, per Examination Category B-G-1, Note 4 and Examination Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Examination is required only once per inspection interval.
5. (B6.210): Eight components are tracked in the database, each representing all of the Bolts and associated Nuts, Bushings, and Washers and Flange Surfaces on one of the eight Reactor Coolant Valves as reported in the ISI Program Plan. The volumetric examination of these components is limited to only one of the valves per Examination Category B-G-1, Note 3 and Examination Category B-M-2, Note 3. Examination is required only once per inspection interval.

(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.)			
			# Exams Completed								**% Exams Completed**			
Item No.	**# of Comp**	**Total Selected**	**Min**	**Per 1**	**Max**	**Min**	**Per 2**	**Max**	**Per 3**	**% Selected**	**Period 1**	**Period 2**	**Period 3**	

6. (B6.220 & B6.230): Eight components are tracked in the database, each representing all of the Bolts and associated Nuts, Bushings, and Washers and Flange Surfaces on one of the eight Reactor Coolant Valves as reported in the ISI Program Plan. The visual examination of these components is limited to only one of the valves per Examination Category B-G-1, Note 3 and Examination Category B-M-2, Note 3. Also, per Examination Category B-G-1, Note 4 and Examination Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Examination is required only once per inspection interval.

Category B-G-2 Deferred Exams

B7.10	2	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B7.20	1	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B7.30	4	1	N/A	0	N/A	N/A	1	N/A	0	25.00%	0.00%	100.00%	100.00%
B7.50	20	5	N/A	3	N/A	N/A	1	N/A	0	25.00%	60.00%	80.00%	100.00%
B7.60	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B7.70	26	1	N/A	1	N/A	N/A	0	N/A	0	3.85%	100.00%	100.00%	100.00%
Totals:	**57**	**7**	N/A	**4**	N/A	N/A	**2**	N/A	**0**	**12.28%**	**57.14%**	**85.71%**	**100.00%**

1. Total selected for the category is limited to the components made accessible by disassembly for maintenance.
2. (B7.10): Two components representing the CETC and RVLIS Clamp Bolts and associated Nuts as reported in the ISI Program Plan.
3. (B7.20): A single component representing all 16 Pressurizer Manway Bolts and associated Nuts as reported in the ISI Program Plan.
4. (B7.30): Four components are tracked in the database, each representing all 32 Bolts and associated Nuts for both Manways on each of the four Steam Generator (128 total) as reported in the ISI Program Plan. Per B-G-2 Note 2, the examination is limited to those vessels examined under Category B-B.
5. (B7.50): Per Examination Category B-G-2, Note 3, examination is required only when a bolted connection is disassembled or bolting is removed. Also, per Examination Category B-G-2, Note 3, examinations are limited to at least one bolted connection within each group of bolted connections that are similar in design, size, function, and service. Examination is required only once per inspection interval within each bolted connection group.
6. (B7.60): Four components are tracked in the database, each representing all 36 Bolts and associated Nuts for one of the four Reactor Coolant Pumps (144 total as reported in the ISI Program Plan. Per Examination Category B-G-2, Note 2 and Examination Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Also, per Examination Category B-G-2, Note 2 and Examination Category B-L-2, Note 1, examinations are limited to at least one pump within each group of pump that are of the same size, design, manufacturing method, and function. Examination is required only once per inspection interval within each valve group.
7. (B7.70): Per Examination Category B-G-2, Note 2 and Examination Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination or bolting is removed. Also, per Examination Category B-G-2, Note 2 and Examination Category B-M-2, Note 3, examinations are limited to at least one valve within each group of valves that are of the same size, design, manufacturing method, and function. Examination is required only once per inspection interval within each valve group.

(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.)			
			# Exams Completed								**% Exams Completed**		
Item No.	**# of Comp**	**Total Selected**	**Min**	**Per 1**	**Max**	**Min**	**Per 2**	**Max**	**Per 3**	**% Selected**	**Period 1**	**Period 2**	**Period 3**
Category B-K Non-Deferred Exams													
B10.10	2	1	-	0	-	-	0	-	0	100.00%	0.00%	00.00%	0.00%
B10.20	8	3	-	1	-	-	2	-	0	37.50%	33.33%	100.00%	100.00%
Totals:	**10**	**4**	1	**1**	2	2	**2**	2	**0**	**40.00%**	**25.00%**	**75.00%**	**75.00%**

1. (B10.10): Per Code Case N-700, for single vessels, only one welded attachment shall be selected for examination. The attachment selected for examination shall be an attachment under continuous load during normal system operation, or an attachment subject to a potential intermittent load (seismic, water hammer, etc.) during normal system operation if an attachment under continuous load does not exist. The selected weld is the pressurizer skirt support weld.
2. (B10.20): Per Examination Category B-K, Note 5, for piping, pumps, and valves, a sample of 10% of the welded attachments associated with the component supports selected for examination under IWF-2510 shall be examined. This requirement is conservatively interpreted to mean that 10% of the total

Category B-L-2 Deferred Exams													
B12.20	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
Totals:	**4**	**0**	N/A	**0**	N/A	N/A	**0**	N/A	**0**	**0.00%**	**0.00%**	**0.00%**	**0.00%**

1. The examination of pump casings is limited to only one of the pumps performing similar functions in the system per Examination Category B-L-2, Note 1. Also, per Examination Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination. Examination is required only once per inspection interval. The total selected for the category is limited to the components made accessible by disassembly for maintenance.

Category B-M-2 Deferred Exams													
B12.50	37	2	N/A	2	N/A	N/A	0	N/A	0	5.41%	100.00%	100.00%	100.00%
Totals:	**37**	**2**	N/A	**2**	N/A	N/A	**0**	N/A	**0**	**5.41%**	**100.00%**	**100.00%**	**100.00%**

1. Per Examination Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination. Also, per Examination Category B-M-2, Note 3, examinations are limited to at least one valve within each group of valves that are of the same size, design, manufacturing method, and function. Examination is required only once per inspection interval within each valve group. The total selected for the category is limited to the components made accessible by disassembly for maintenance.

(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.)			
			# Exams Completed								% Exams Completed		
Item No.	**# of Comp**	**Total Selected**	**Min**	**Per 1**	**Max**	**Min**	**Per 2**	**Max**	**Per 3**	**% Selected**	**Period 1**	**Period 2**	**Period 3**
Category B-N-1 Non-Deferred Exams													
B13.10	1	1	-	1	-	-	1	-	1	50.00%	100.00%	200.00%	300.00%
Totals:	**1**	**1**	1	**1**	1	1	**1**	1	**1**	**50.00%**	**100.00%**	**200.00%**	**300.00%**
1. "% Completed" exceeds 100% since the vessel interior is selected for examination once each period (three times during the interval).													
Category B-N-2 Deferred Exams													
B13.60	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
Totals:	**1**	**1**	N/A	**1**	N/A	N/A	**0**	N/A	**0**	**100.00%**	**100.00%**	**100.00%**	**100.00%**
1. Examination completion exceeds 50.00% for 1st Period and 75.00% for this 2nd Period. The examination was performed at the beginning of the Inspection Interval as allowed by Relief Request I3R-01.													
Category B-N-3 Deferred Exams													
B13.70	1	1	N/A	1	N/A	N/A	0	N/A	0	100.00%	100.00%	100.00%	100.00%
Totals:	**1**	**1**	N/A	**1**	N/A	N/A	**0**	N/A	**0**	**100.00%**	**100.00%**	**100.00%**	**100.00%**
1. Examination completion exceeds 50.00% for 1st Period and 75.00% for this 2nd Period. The examination was performed at the beginning of the Inspection Interval as allowed by Relief Request I3R-01.													
Category B-O Non-Deferred Exams													
B14.10	5	5	N/A	2	N/A	N/A	1	N/A	0	100.00%	40.00%	60.00%	60.00%
Totals:	**5**	**5**	N/A	**2**	N/A	N/A	**1**	N/A	**0**	**100.00%**	**40.00%**	**60.00%**	**60.00%**
1. 10% of the 45 CRD Housings (as reported in the ISI Program Plan) are required to be examined each interval per this Item Number. These five components represent that 10% population.													
Category B-P Non-Deferred Exams													
B15.10	1	1	N/A	2	N/A	N/A	2	N/A	1	100.00%	200.00%	400.00%	500.00%
Totals:	**1**	**1**	N/A	**2**	N/A	N/A	**2**	N/A	**1**	**100.00%**	**200.00%**	**400.00%**	**500.00%**
1. "% Completed" exceeds 100% since Class 1 pressure tests are performed each refueling outage.													
2. One component representing the five systems in Class 1 as reported in the ISI Program Plan.													

(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.)			
			# Exams Completed								% Exams Completed		
Item No.	**# of Comp**	**Total Selected**	**Min**	**Per 1**	**Max**	**Min**	**Per 2**	**Max**	**Per 3**	**% Selected**	**Period 1**	**Period 2**	**Period 3**
Category C-A Non-Deferred Exams													
C1.10	14	3	-	1	-	-	1	-	1	21.43%	33.33%	66.67%	100.00%
C1.20	6	1	-	0	-	-	0	-	1	16.67%	0.00%	0.00%	100.00%
C1.30	4	1	-	1	-	-	0	-	0	25.00%	100.00%	100.00%	100.00%
Totals:	**24**	**5**	1	**2**	2	1	**1**	1	**2**	**20.83%**	**40.00%**	**60.00%**	**100.00%**

1. (C1.10 & C1.20): Per Examination Category C-A, Note 3, in the case of multiple vessels of similar design, size, and service, the required examinations may be limited to one vessel or distributed among the vessels.

Category C-B Non-Deferred Exams

C2.21	16	3	-	1	-	-	1	-	1	18.75%	33.33%	66.67%	100.00%
C2.22	4	1	-	1	-	-	0	-	0	25.00%	100.00%	100.00%	100.00%
Totals:	**20**	**4**	1	**2**	2	1	**1**	1	**1**	**20.00%**	**50.00%**	**75.00%**	**100.00%**

1. Per Examination Category C-B, Note 4, in the case of multiple vessels of similar design, size, and service, the required examinations may be limited to one vessel or distributed among the vessels.
2. (C2.21): Two welds per item for the Residual Heat Removal Heat Exchanger are exempted from examination with the adoption of ASME Code Case N-706 (ref: I3T-08). The remaining welds in the items are for the four steam generators and are selected for examination under #1 above.

Category C-C Non-Deferred Exams

C3.10	2	1	-	0	-	-	1	-	0	50.00%	0.00%	100.00%	100.00%
C3.20	76	8	-	1	-	-	3	-	0	10.53%	12.50%	50.00%	50.00%
C3.30	20	2	-	1	-	-	1	-	0	10.00%	50.00%	100.00%	100.00%
Totals:	**98**	**11**	2	**2**	5	4	**5**	6	**0**	**11.22%**	**18.18%**	**63.64%**	**63.64%**

1. (C3.10): Per Examination Category C-C, Note 4, for multiple vessels of similar design, function, and service, only one welded attachment of only one of the multiple vessels shall be selected for examination. Conservatively, a welded attachment of each type of welded attachment of one of multiple vessels will be examined.
2. (C3.20 & C3.30): Per Examination Category C-C, Note 5, for piping, pumps, and valves, a sample of 10% of the welded attachments associated with the component supports selected for examination under IWF-2510 shall be examined. This requirement is conservatively interpreted to mean that 10% of the total Class 2 welded attachments shall be examined.

(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.)			
			# Exams Completed								% Exams Completed		
Item No.	**# of Comp**	**Total Selected**	**Min**	**Per 1**	**Max**	**Min**	**Per 2**	**Max**	**Per 3**	**% Selected**	**Period 1**	**Period 2**	**Period 3**
Category C-H Non-Deferred Exams													
C7.10	70	50	N/A	50	N/A	N/A	50	N/A	38	71.43%	100.00%	200.00%	276.00%
Totals:	**70**	**50**	N/A	**50**	N/A	N/A	**50**	N/A	**38**	**71.43%**	**100.00%**	**200.00%**	**276.00%**

1. Seventy test components representing the twenty-four systems in Class 2 as reported in the ISI Program Plan.
2. Fifty test components not exempted from test requirements by IWA-5110(c).
3. "% Exams Completed" exceeds 100% since the non-exempt Class 2 pressure tests are performed each inspection period.

Category F-A Non-Deferred Exams													
F1.10	467	120	-	35	-	-	28	-	15	25.70%	29.17%	52.50%	65.00%
F1.20	662	111	-	26	-	-	44	-	15	16.77%	23.42%	63.06%	76.58%
F1.30	370	41	-	9	-	-	17	-	6	11.08%	21.95%	63.41%	78.05%
F1.40	75	33	-	7	-	-	11	-	3	44.00%	21.21%	54.55%	63.64%
Totals:	**1573**	**305**	49	**77**	152	76	**100**	151	**39**	**19.38%**	**25.25%**	**58.03%**	**70.82%**

1. (F1.40): Per Examination Category F-A, Note 3, for multiple components other than piping within a system of similar design, function, and service, the supports of only one of the multiple components are required to be examined.

Category R-A Non-Deferred Exams (showing Risk-Informed Categories)													
Cat. 1	242	61	-	23	-	-	20	-	9	25.21%	37.70%	70.49%	85.25%
Cat. 2	218	65	-	72	-	-	57	-	32	29.82%	32.58%	58.37%	72.85%
Cat. 3	0	-	-	-	-	-	-	-	-	-	-	-	-
Cat. 4	1550	170	-	78	-	-	56	-	29	10.97%	26.35%	45.27%	55.07%
Cat. 5	405	41	-	71	-	-	66	-	32	10.12%	30.47%	58.80%	72.53%
Totals:	**2415**	**337**	130	**224**	405	161	**199**	364	**0**	**13.95%**	**30.09%**	**54.62%**	**67.20%**

1. For the requirements of Risk-Informed (RI-ISI) methodology, the individual categories have minimum selection percentages. High Risk categories (1, 2 and 3) require 25% of the population be selected. Medium Risk categories (4 and 5) require 10% of the population be selected.
2. The populations include all Break Exclusion Region (BER) welds which have been integrated into the RISI Program and are selected in accordance with the Risk Informed BER methodology.
3. Per -2410 of N-578-1, the examinations of Category R-A shall be completed during each inspection interval in accordance with Table IWB-2412-1.
4. The number of socket weld examinations exceeds the number selected since 100% of the selected socket welds are examined each outage per ASME Code Case N-578-1, Table 1, Note 12. The total number of examinations for the interval is 811 on 337 selected components. The percentage of completed examinations for each period is determined from the total number of examinations for the interval in Category R-A.

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(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Auxiliary Feedwater System (AF)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-AF-2-1	Hunter Corporation	N/A	N/A	N/A
2-AF-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Containment Spray System (CS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-CS-2-1	Hunter Corporation	N/A	N/A	N/A
2-CS-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Containment Spray System (CS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CS02AB-10/2CS03B022S	Pacific Scientific	3517	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-CV-2-1	Hunter Corporation	N/A	N/A	N/A
2-CV-2-10	Hunter Corporation	N/A	N/A	N/A
2-CV-2-2	Hunter Corporation	N/A	N/A	N/A
2-CV-2-3	Hunter Corporation	N/A	N/A	N/A
2-CV-2-4	Hunter Corporation	N/A	N/A	N/A
2-CV-2-5	Hunter Corporation	N/A	N/A	N/A
2-CV-2-6	Hunter Corporation	N/A	N/A	N/A
2-CV-2-7	Hunter Corporation	N/A	N/A	N/A
2-CV-2-8	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CV-01-PA/L1	Pacific Pumps	49772	NA	204
2CV-01-PA/L2	Pacific Pumps	49772	NA	204
2CV-01-PA/L3	Pacific Pumps	49772	NA	204
2CV-01-PA/L4	Pacific Pumps	49772	NA	204
2CV45B-2/2RY06120X	Hunter Corp.	NA	NA	NA
2CV45B-2/2RY06121X	Hunter Corp.	NA	NA	NA
2CVA3B-2/2CV11010X	Hunter Corp.	NA	NA	NA
2CVA3B-2/2CV15033X	Hunter Corp.	NA	NA	NA
2CVA3B-2/2CV16024X	Hunter Corp.	NA	NA	NA
2CVA3B-2/2CV16030X	Hunter Corp.	NA	NA	NA
2CVA3B-2/2CV16084X	Hunter Corp.	NA	NA	NA
2CVA5AA-2/2CV15018V	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CVA5AA-2/2CV15021X	Hunter Corp.	NA	NA	NA
2CVA6AA-2/2CV09025X	Hunter Corp.	NA	NA	NA
2CVA6AA-2/2CV25025X	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CVA3B-2/W-70	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-71	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-72	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-73	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-80	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA3B-2/W-81	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA5AA-2/W-06	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA5AA-2/W-07	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA6AA-2/W-04	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA6AA-2/W-05	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA7AA-2/W-06	Hunter Corp.	2-CV-1-N5	NA	NA
2CVA7AA-2/W-07	Hunter Corp.	2-CV-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CVA7AA-2/W-08	Hunter Corp.	2-CV-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CV10B-3/2CV04015S	Pacific Scientific	NA	NA	NA
2CV10CA-3/2CV03002S	Pacific Scientific	17350	NA	NA
2CV10CA-3/2CV22002S	Pacific Scientific	7738	NA	NA
2CV10DB-3/2CV02009S	Pacific Scientific	2184	NA	NA
2CV14EA-2/2CV34008S	Lisega	31200814-006	NA	NA
2CV14EB-2/2CV36006S	Pacific Scientific	9869	NA	NA
2CV14EC-2/2CV40007S	Lisega	31200814-004	NA	NA
2CV14ED-2/2CV41012S	Pacific Scientific	20454	NA	NA
2CV15E-3/4/2CV31020S	Lisega	31200814-003	NA	NA
2CV44AB-3/4/2CV65009S	Lisega	31200814-009	NA	NA
2CV45-2/2CV22009S	Pacific Scientific	2195	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2CVA5AA-2/2CV15054S	Pacific Scientific	4462	NA	NA
2CVA7AA-2/2CV25016S	Pacific Scientific	20711	NA	NA
2CVB7A-3/2CV06004S	Pacific Scientific	16680	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Fuel Pool Cooling System (FC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-FC-2-1	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

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1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-FW-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW03DA-16/2FW02009X	Hunter Corp.	NA	NA	NA
2FW87CA-6/2FW06011X	Hunter Corp.	NA	NA	NA
2FW87CA-6/2FW06015X	Hunter Corp.	NA	NA	NA
2FW87CD-6/2FW09002C	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW03DB-16/C18	Hunter Corp.	2-FW-1-N5	NA	NA
2FW03DB-16/C19	Hunter Corp.	2-FW-1-N5	NA	NA
2FW03DC-16/C21	Hunter Corp.	2-FW-1-N5	NA	NA
2FW03DC-16/C22	Hunter Corp.	2-FW-1-N5	NA	NA
2FW87CA-6/C05	Hunter Corp.	2-FW-1-N5	NA	NA
2FW87CA-6/C06	Hunter Corp.	2-FW-1-N5	NA	NA
2FW87CA-6/C07	Hunter Corp.	2-FW-1-N5	NA	NA
2FW87CA-6/C08	Hunter Corp.	2-FW-1-N5	NA	NA
2FW87CA-6/C09	Hunter Corp.	2-FW-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2FW03DA-16/2FW02012S	Pacific Scientific	2565	NA	NA
2FW87CA-6/2FW06013S	Pacific Scientific	2865	NA	NA
2FW87CB-6/2FW07004-S1	Pacific Scientific	25717	NA	NA
2FW87CB-6/2FW07004-S2	Pacific Scientific	20690	NA	NA
2FW87CB-6/2FW07005S	Pacific Scientific	18342	NA	NA
2FW87CB-6/2FW07006S	Pacific Scientific	8202	NA	NA
2FW87CB-6/2FW07014S	Pacific Scientific	5939	NA	NA
2FW87CB-6/2FW07019S	Pacific Scientific	2821	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-MS-2-1	Hunter Corporation	N/A	N/A	N/A
2-MS-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2MS07AD-28/2MS01211R	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2MS01AA-30.25/2MS05007-S1	Pacific Scientific	4976	NA	NA
2MS01AA-30.25/2MS05007-S2	Pacific Scientific	1543	NA	NA
2MS07AD-28/2MS01088S	Pacific Scientific	12977	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Off Gas System (OG)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-OG-2-1	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Primary Containment (PC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-PC-2-1	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Process Sampling System (PS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-PS-2-3	Hunter Corporation	N/A	N/A	N/A
2-PS-2-4	Hunter Corporation	N/A	N/A	N/A
2-PS-2-5	Hunter Corporation	N/A	N/A	N/A
2-PS-2-6	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-RC-1-1	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-R/S	Hunter Corp.	NA	NA	NA
2RC16AA-2/2CV12005X	Hunter Corp.	NA	NA	NA
2RC24AA-4/2RY06016X	Hunter Corp.	NA	NA	NA
2RC24AA-4/2RY06035X	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

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7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC01AA-29/J01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC01AA-29/J06	Hunter Corp.	2-RC-1-N5	NA	NA
2RC01AB-29/J01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC01AC-29/J01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC01AD-29/J01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC-01-R/RPVS-A F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-B F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-C F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-D F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-E F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-F F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPVS-G F1	Westinghouse Corp.	640-0012-51	B-09062	N-200

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7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-R/RPVS-H F1	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC03AA-27.5/J02A	Hunter Corp.	2-RC-1-N5	NA	NA
2RC03AA-27.5/J04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC03AA-27.5/J12	Hunter Corp.	2-RC-1-N5	NA	NA
2RC03AB-27.5/J12	Hunter Corp.	2-RC-1-N5	NA	NA
2RC03AC-27.5/J13	Hunter Corp.	2-RC-1-N5	NA	NA
2RC03AD-27.5/J12	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AA-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA

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5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC13AB-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AC-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC13AD-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01A	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01B	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-01C	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-06	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

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7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC14AA-2/W-07	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-08	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-09	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-10	Hunter Corp.	2-RC-1-N5	NA	NA
2RC14AA-2/W-11	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-06	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AA-2/W-07	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AB-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AB-2/W-05	Hunter Corp.	2-RC-1-N5	NA	NA

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7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC16AC-2/W-08	Hunter Corp.	2-RC-1-N5	NA	NA
2RC16AD-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AA-8/J05	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AA-8/J06	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AB-8/J07	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AB-8/J08	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AB-8/J09	Hunter Corp.	2-RC-1-N5	NA	NA
2RC21AB-8/J10	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AA-1.5/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AA-1.5/W-05	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AC-1.5/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RC22AC-1.5/W-06	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
2RC22AD-1.5/W-01	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC22AD-1.5/W-08	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC24AA-4/J06	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC24AA-4/J07	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC24AA-4/J09	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC24AA-4/J10	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC26A-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC26A-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC28A-3/Zone 1	Hunter Corp.	2-RC-1-N5	NA	NA	
2RC30AA-1.5/W-01.01	CBI	2-RC-1-N5	NA	NA	1
2RC30AA-1.5/W-01.01	CBI	2-RC-1-N5	NA	NA	
2RC30AB-1.5/W-01.01	CBI	2-RC-1-N5	NA	NA	1

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
2RC30AC-1.5/W-01.01	CBI	2-RC-1-N5	NA	NA	1
2RC30AD-1.5/W-01.01	CBI	2-RC-1-N5	NA	NA	1

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC01BA-2A/2RC01BA-A	Boeing	27	NA	NA
2RC01BA-2A/2RC01BA-B	Boeing	35	NA	NA
2RC01BB-2B/2RC01BB-A	Boeing	9	NA	NA
2RC01BB-2B/2RC01BB-B	Boeing	15	NA	NA
2RC01BC-2C/2RC01BC-A	Boeing	19	NA	NA
2RC01BC-2C/2RC01BC-B	Boeing	7	NA	NA
2RC01BD-2D/2RC01BD-A	Boeing	5	NA	NA
2RC01BD-2D/2RC01BD-B	Boeing	31	NA	NA
2RC13AC-2/2CV15045S	Pacific Scientific	5656	NA	NA
2RC14AC-2/2CV09034S	Pacific Scientific	7173	NA	NA
2RC16AA-2/2CV12006S	Pacific Scientific	4427	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC16AB-2/2CV24003S	Pacific Scientific	2495	NA	NA
2RC20AC-3/4/2RC18009S	Lisega	04616353-015	NA	NA
2RC22AC-1.5/2RC18007S	Pacific Scientific	9646	NA	NA
2RC22AC-1.5/2RC18014S	Pacific Scientific	17003	NA	NA
2RC48BA-1/2/2RC90A001S	Pacific Scientific	4100	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-RH-2-1	Hunter Corporation	N/A	N/A	N/A
2-RH-2-2	Hunter Corporation	N/A	N/A	N/A
2-RH-2-3	Hunter Corporation	N/A	N/A	N/A
2-RH-2-6	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RH01AA-12/2RH02053X	Hunter Corp.	NA	NA	NA
2RH-01-PA/L1	Ingersoll Rand	127430	NA	161
2RH-01-PA/L2	Ingersoll Rand	127430	NA	161
2RH-01-PA/L3	Ingersoll Rand	127430	NA	161
2RH-02-AB/L1	Joseph Oat Corp.	2267-1D	U-201440	839
2RH-02-AB/SKT	Joseph Oat Corp.	2267-1D	U-201440	839

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RH01AA-12/2RH02068S	Pacific Scientific	4620	NA	NA
2RH01AB-12/2RH02003S	Pacific Scientific	2793	NA	NA
2RH01AB-12/2RH02013S	Pacific Scientific	3081	NA	NA
2RH26AB-3/4/2RH02115S	Lisega	31200814-008	NA	NA
2RH26AB-3/4/2RH02116S	Pacific Scientific	9623	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Pressure Vessel (RPV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-R/CORE SUPP STRUCT	Westinghouse Corp.	640-0012-52	B-09062	N-200
2RC-01-R/INT ATTACH NONBELT	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPV BMI	Westinghouse Corp.	640-0012-51	B-09062	N-200
2RC-01-R/RPV HEAD PEN	Westinghouse Corp.	640-0012-52	B-09062	N-200
2RC-01-R/RPV HEAD SURF	Westinghouse Corp.	640-0012-52	B-09062	N-200
2RC-01-R/RPV INTERIOR	Westinghouse Corp.	640-0012-51	B-09062	N-200

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
2RY03BA-6/FLG 1-12	Hunter Corp.	2-RC-1-N5	NA	NA	1

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY01B-6/2RY06022X	Hunter Corp.	NA	NA	NA
2RY01B-6/2RY06029X	Hunter Corp.	NA	NA	NA
2RY18A-2/2RY06115V	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY18A-2/W-01	Hunter Corp.	2-RC-1-N5	NA	NA
2RY18A-2/W-02	Hunter Corp.	2-RC-1-N5	NA	NA
2RY18A-2/W-03	Hunter Corp.	2-RC-1-N5	NA	NA
2RY18A-2/W-04	Hunter Corp.	2-RC-1-N5	NA	NA

Note (1): Baseline Examination

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5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RY02B-3/2RY09067-S1	Pacific Scientific	16687	NA	NA
2RY02B-3/2RY09067-S2	Pacific Scientific	5512	NA	NA
2RY02B-3/2RY09100S	Pacific Scientific	9295	NA	NA
2RY06A-3/2RY09012S	Pacific Scientific	10201	NA	NA
2RY06A-3/2RY09060-S1	Pacific Scientific	7345	NA	NA
2RY06A-3/2RY09060-S2	Pacific Scientific	4637	NA	NA
2RY06A-3/2RY09078S	Pacific Scientific	7731	NA	NA
2RY06A-3/2RY09101S	Pacific Scientific	18784	NA	NA
2RY07AC-3/4/2RY27016S	Pacific Scientific	2440	NA	NA
2RY11A-14/2RY05010S	Pacific Scientific	12031	NA	NA
2RY34CD-1/2/2RC91001S	Pacific Scientific	2627	NA	NA

Note (1): Baseline Examination

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Steam Generator Blowdown System (SD)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SD01CA-2/2SD21034S	Pacific Scientific	12404	NA	NA
2SD01CD-2/2SD24026S	Pacific Scientific	2SD24026S	NA	NA
2SD01CF-2/2SD05002-S1	Lisega	2SD05002-S1	NA	NA
2SD01CF-2/2SD05002-S2	Lisega	2SD05002-S2	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

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(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Steam Generator (SG)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2RC-01-BA/DRAIN	Westinghouse Corp.	2095	U-201435	15
2RC-01-BA/SGC-08	Westinghouse Corp.	2095	U-201435	15
2RC-01-BB/DRAIN	Westinghouse Corp.	2096	U-201436	16
2RC-01-BB/SGC-05	Westinghouse Corp.	2096	U-201436	16
2RC-01-BB/SGN-03	Westinghouse Corp.	2096	U-201436	16
2RC-01-BC/DRAIN	Westinghouse Corp.	2097	U-201437	17
2RC-01-BD/DRAIN	Westinghouse Corp.	2098	U-201438	18

Note (1): Baseline Examination

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-SI-2-1	Hunter Corporation	N/A	N/A	N/A
2-SI-2-2	Hunter Corporation	N/A	N/A	N/A
2-SI-2-3	Hunter Corporation	N/A	N/A	N/A
2-SI-2-4	Hunter Corporation	N/A	N/A	N/A
2-SI-2-5	Hunter Corporation	N/A	N/A	N/A
2-SI-2-6	Hunter Corporation	N/A	N/A	N/A
2-SI-2-7	Hunter Corporation	N/A	N/A	N/A

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5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI05CA-8/2SI01022X	Hunter Corp.	NA	NA	NA
2SI05CA-8/2SI01026X	Hunter Corp.	NA	NA	NA
2SI05CA-8/2SI01038X	Hunter Corp.	NA	NA	NA
2SI05CA-8/2SI03021X	Hunter Corp.	NA	NA	NA
2SI05CA-8/2SI03025V	Hunter Corp.	NA	NA	NA
2SI05CA-8/2SI03029X	Hunter Corp.	NA	NA	NA
2SI05DA-6/2SI01017X	Hunter Corp.	NA	NA	NA
2SI05DA-6/2SI01029X	Hunter Corp.	NA	NA	NA
2SI05DA-6/2SI01031X	Hunter Corp.	NA	NA	NA
2SI05DA-6/2SI01032X	Hunter Corp.	NA	NA	NA
2SI08E-3/2SI21022X	Hunter Corp.	NA	NA	NA
2SI08FA-3/2SI23011X	Hunter Corp.	NA	NA	NA

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3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI08FA-3/2SI23012A	Hunter Corp.	NA	NA	NA
2SI08GB-1-1/2/2SI25004X	Hunter Corp.	NA	NA	NA
2SI08GB-1-1/2/2SI25007X	Hunter Corp.	NA	NA	NA
2SI08JA-1-1/2/2SI24012X	Hunter Corp.	NA	NA	NA
2SI08JA-1-1/2/2SI25010X	Hunter Corp.	NA	NA	NA
2SI08JA-1-1/2/2SI25012X	Hunter Corp.	NA	NA	NA
2SIA4B-8/2RH02083X	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
2SI03DA-2/W-01.01	Exelon Corp.	2-SI-1-N5	NA	NA	1
2SI03DA-2/W-02.01	CBI	2-SI-1-N5	NA	NA	1
2SI03DA-2/W-03.01	CBI	2-SI-1-N5	NA	NA	1
2SI08HA-2/W-01	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08HA-2/W-02	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08HA-2/W-03	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08HA-2/W-04	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08HA-2/W-05	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08HA-2/W-06	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-01	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-02	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-03	Hunter Corp.	2-SI-1-N5	NA	NA	

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
2SI08JA-1.5/W-04	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-05	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-05A	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-05B	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-06	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-07	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-10	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-11	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-14	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-15	Hunter Corp.	2-SI-1-N5	NA	NA	
2SI08JA-1.5/W-35.01	CBI	2-SI-1-N5	NA	NA	1
2SI08JA-1.5/W-36.01	CBI	2-SI-1-N5	NA	NA	1

Note (1): Baseline Examination

Note (2): *Snubber examined as a Component Support*

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.	
2SI08JA-1.5/W-37.01	CBI	2-SI-1-N5	NA	NA	1
2SI08JB-1.5/W-38.01	CBI	2-SI-1-N5	NA	NA	1
2SI08JB-1.5/W-39.01	CBI	2-SI-1-N5	NA	NA	1
2SI08JC-1.5/W-39.01	CBI	2-SI-1-N5	NA	NA	1
2SI08JC-1.5/W-40.01	CBI	2-SI-1-N5	NA	NA	1
2SI08JC-1.5/W-41.01	CBI	2-SI-1-N5	NA	NA	1
2SI08JD-1.5/W-38.01	CBI	2-SI-1-N5	NA	NA	1

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SI04D-8/2RH02061S	Pacific Scientific	16726	NA	NA
2SI05CA-8/2SI01023S	Pacific Scientific	2545	NA	NA
2SI05DD-6/2SI03009S	Pacific Scientific	2553	NA	NA
2SI05DD-6/2SI03018S	Pacific Scientific	27115	NA	NA
2SI08JD-1.5/2SI22018S	Lisega	31200814-005	NA	NA
2SI08JD-1.5/2SI22020S	Pacific Scientific	8050	NA	NA
2SI09BC-10/2SI09002-S1	Pacific Scientific	25441	NA	NA
2SI09BC-10/2SI09002-S2	Pacific Scientific	9347	NA	NA
2SI09BD-10/2SI03001S	Pacific Scientific	4808	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 **6. National Board Number for Unit:** N-200

7. **Components Inspected:** Essential Service Water System (SX)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2-SX-2-1	Hunter Corporation	N/A	N/A	N/A
2-SX-2-2	Hunter Corporation	N/A	N/A	N/A

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Computer Generated Form

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

1. **Owner:** Exelon Generation Company,(EGC,LLC), 4300 Winfield Road, Warrenville, Illinois 60555
(Name and Address of Owner)

2. **Plant:** Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010
(Name and Address of Plant)

3. **Plant Unit:** 2 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 08/22/87 6. **National Board Number for Unit:** N-200

7. **Components Inspected:** Essential Service Water System (SX)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
2SX06BB-16/2PC-7A	Hunter Corp.	NA	NA	NA
2SX06BB-16/2SX07001G	Hunter Corp.	NA	NA	NA
2SX06CB-14/2SX07007X	Hunter Corp.	NA	NA	NA
2SX07BD-10/2SX09078X	Hunter Corp.	NA	NA	NA
2SX07CB-10/2SX09038X	Hunter Corp.	NA	NA	NA
2SX07CD-10/2SX09077X	Hunter Corp.	NA	NA	NA
2SX07EB-14/2SX09011X	Hunter Corp.	NA	NA	NA
2SX08BD-10/2SX07025X	Hunter Corp.	NA	NA	NA

Note (1): Baseline Examination

Note (2): Snubber examined as a Component Support

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in., (2) information in items 1 through 6 of this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

(BACK)

8. **Examination Dates:** 10/10/11 **to** 5/1/13

9. **Inspection Period Identification:** Third Inspection Period

10. **Inspection Interval Identification:** Third Inspection Interval

11. **Applicable Edition of Section XI:** 2001 **Addenda** 2003

12. **Date / Revision of Inspection Plan:** 6/10/12 / 7

13. **Abstract of Examinations and Test. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.**
Refer to the Outage Summary Report and ISI Program Plan

14. **Abstract of Results of Examinations and Tests.**
Refer to the Outage Summary Report

15. **Abstract of Corrective Measures.**
Refer to the Outage Summary Report

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Date: 7/29/13 Signed for: Exelon Generation Company

By: [signature]

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 **Illinois** and employed by **HSB CT of Hartford CT.** have inspected the components described in this Owner's Report during the period **10/10/11** to **5/1/13**, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's 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, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature]
Inspectors Signature

Commissions: NB8511, IL1254, A, N, I, C Date: July 29, 20 13

National Board, State, Province, and Endorsements

DOCUMENT NO.: 5A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-27-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 2
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 99147049-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **FW - Feedwater**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W/75 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Bonnet	Borg. Warner	Valve S/N: 35601	N/A	ETN: 2FW009C	1979	Corrected	Yes

7. Description of Work Machined valve bonnet seat ring surface

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks WO 99147049-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] Date 7-26, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/16/13 to 2/29/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB85K, IL1254, A, N, I, C

Inspector's Signature National Board, State Province, and Endorsements

Date: July 29, 20 13

1

RH
04/20/13

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** Date 4/20/13
   Name
   4300 Winfield Road, Warrenville, IL Sheet 1 of 1
   Address
2. Plant **Byron Nuclear Power Station** Unit 02
   Name
   4450 N. German Church Road, Byron, IL **Work Order No. 00543260-01**
   Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by **CB&I/Stone & Webster** Type Code Symbol Stamp **Not Applicable**
   Name Authorization No. **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 Expiration Date **Not Applicable**
   Address
4. Identification of System **MS (MAIN STEAM)**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SAFETY VALVE, 6", 1500#	DRESSER INDUSTRIES	BU01489	N/A	2MS016A	1989	Removed	YES
SAFETY VALVE, 6", 1500#	DRESSER INDUSTRIES	BU01490	N/A	2MS016A Cat ID 1439914-1	1978	Installed	YES
ROD,THREADED 1-3/8-8 Gr. B7	Texas Bolt	MK# LR49	N/A	2MS016A Bolt# 2 & 6	1981	Removed	No
ROD,THREADED 1-3/8-8 Gr. B7	Nova Machine Products	Ht. No.: NF12200854	N/A	2MS016A Cat ID 37106-1	2012	Installed	No
NUT, HEAVY HEX 1-3/8-8	Texas Bolt	MK# LR50	N/A	2MS016A Bolt# 2 & 6	1981	Removed	No
NUT, HEAVY HEX 1-3/8-8	Nova Machine Products	Ht. No.: 3W50	N/A	2MS016A Cat ID 1394991-1	2010	Installed	No

7. Description of Work REPLACE RELIEF VALVE 2MS016A – REPLACED 2 STUDS & 4 NUTS
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 1060 psi Test Temp. 556 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 00543260-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David C. Niles, RR COORDINATOR Date 5-9, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/13/12 to 5/13/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB 8511, IL 1254, A, N, I, C
Inspector's Signature
National Board, State Province, and Endorsements

Date: May 13, 20 13

(Final)

DOCUMENT NO.: 3.1	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/20/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 00543261-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **MS (MAIN STEAM)**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, N/A Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SAFETY VALVE, 6", 1500#	DRESSER INDUSTRIES	BU01477	N/A	2MS013A	1978	Removed	YES
SAFETY VALVE, 6", 1500#	DRESSER INDUSTRIES	BR09593	N/A	2MS013A Cat ID 1443930-1	1977	Installed	YES

7. Description of Work REPLACE RELIEF VALVE 2MS013A
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 1060 psi Test Temp. 556 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 00543261-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibler, RR COORDINATOR Date 5-9, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 9/13/12 to 5/13/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB851, IL1254, A, M, I, C

Inspector's Signature National Board, State Province, and Endorsements

Date: May 13, 20 13

(Final)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/20/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 00634678-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **MS (MAIN STEAM)**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, na Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SAFETY VALVE, 6", 1500#	DRESSER INDUSTRIES	BU01484	N/A	2MS014D	1978	Removed	YES
SAFETY VALVE, 6", 1500#	DRESSER INDUSTRIES	BR09597	N/A	2MS014D Cat ID 1439909-1	1977	Installed	YES

7. Description of Work REPLACED RELIEF VALVE 2MS014D

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 1075 psi Test Temp. 556 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 00634678-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David G. Lubbe, RR COORDINATOR Date 5-15, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 9/13/12 to 5/15/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB8511, IL-1854, A,N,I,C
National Board, State Province, and Endorsements

Date: May 15, 20 13

(Final)

DOCUMENT NO.: 5.2	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name)
   4300 Winfield Road, Warrenville, IL (Address)
   Date 4-15-13
   Sheet 1 of 2
2. Plant **Byron Nuclear Power Station** (Name)
   4450 N. German Church Road, Byron, IL (Address)
   Unit 02
   Work Order No. 01025526-03/12 (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Shaw/Stone & Webster**
   Byron Mechanical Maintenance (Name)
   36400 S. Essex Road, Wilmington, IL 60481
   4450 N. German Church Rd. Byron IL 61010 (Address)
   Type Code Symbol Stamp **Not Applicable**
   Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **SI – Safety Injection**
5. (a) Applicable Construction Code ASME Sect III Piping 19 74 Edition, S75 Addenda, N/A Code Case
   (a) Applicable Construction Code ASME Sect III Valve 19 71 Edition, W72 Addenda, N/A Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2" CHECK VALVE	Kerotest	S/N: PS3-1	14,425	2SI8905B	1977	Removed	Yes
2" CHECK VALVE	Kerotest	S/N: 43BTB	N/A	2SI8905B CID:32726 UTC# 0002903431	2011	Installed	Yes
2" SCH. 160 PIPE	Sandvik	HT#: 462460	N/A	2SI03DA-2"	1977	Removed	No
① 2" SCH. 160 PIPE	Consolidated Power Supply	HT# 505112	N/A	2SI03DA-2" CID:1449121 UTC# 0002883505	2011	Installed	No
2" 90 DEG. 6000# ELBOW	Alloy Stainless Co.	MK#: PI	N/A	2SI03DA-2"	1977	Removed	No
2" 90 DEG. 6000# ELBOW	Consolidated Power Supply	HT# 44100	N/A	2SI03DA-2" CID:39072	2010	Installed	No
2" SCH. 160 PIPE	Sandvik	HT#: 462460	N/A	2SI03CA-2"	1977	Removed	No
2" SCH. 160 PIPE	Consolidated Power Supply	HT# 505112	N/A	2SI03CA-2" CID:1449121	2011	Installed	No

7. Description of Work Replaced Check Valve, Pipe, Elbow and Flange
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 2418 / 852 psi Test Temp. 476 / 84 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 1025526-03/12

Applicable Manufacturer's Data Reports to be attached

① Welds 2,3 and 6 performed by the Byron Mechanical Maintenance department on task 12

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed Scott Esposito Date 7-19, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/15/12 to 2/25/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8511, IL1354, A,N,I,C

Inspector's Signature

National Board, State Province, and Endorsements

Date: July 25, 20 13

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner **Exelon Nuclear** (Name) Date 4-15-13
4300 Winfield Road, Warrenville, IL (Address) Sheet 2 of 2
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01025526-03/12** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
4450 N. German Church Rd. Byron IL 61010 (Address) Authorization No. **Not Applicable**
Expiration Date **Not Applicable**
4. Identification of System **SI – Safety Injection**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SEAL WELD ON VALVE CAP	N/A	N/A	N/A	2SI8905B	N/A	Installed	N/A
2". 15000# SWRF FLANGE	Hunter Corp.	MK#: HK655	N/A	2SI03CA-2"	1977	Removed	No
2". 15000# SWRF FLANGE	Consolidated Power Supply	HT# 5615ANE1	N/A	2SI03CA-2" CID:30443	2012	Installed	No

(Final)

DOCUMENT NO.: 4-1	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 1-4-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01324819-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **RH – RESIDUAL HEAT**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W/72 Addenda, N-1567 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RELIEF VALVE	CROSBY	N56904-00-0049	N/A	2RH8708A	1978	REMOVED	YES
RELIEF VALVE	CROSBY	N56904-00-0068	N/A	2RH8708A CAT ID 27642-1	1992	INSTALLED	YES

7. Description of Work REPLACED RELIEF VALVE (PM)

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 45 psi Test Temp. Ambient °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks WO#01324819-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RRLond Date 1-11, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 1/16/12 to 1/14/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL1254, A, N, I, C

Inspector's Signature National Board, State Province, and Endorsements

Date: January 14, 20 13

(Final

DOCUMENT NO.: 3A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 04/15/2013
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01404948-14** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **Reactor Coolant (RC)**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S/74 Addenda, 1423-2 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s)
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RC cold leg nozzle	Westinghouse	6712	N/A	Loop 1	1977	Corrected	yes
RC cold leg nozzle	Westinghouse	6713	N/A	Loop 2	1977	Corrected	yes
RC cold leg nozzle	Westinghouse	6714	N/A	Loop 3	1977	Corrected	yes
RC cold leg nozzle	Westinghouse	6715	N/A	Loop 4	1977	Corrected	yes

7. Description of Work Removed manufacture's nameplate by grinding, pipe wall not penetrated.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks WO 1404948-14
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibli, RR COORDINATOR Date 4-20, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/18/12 to 4/22/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB8511, IL1254, A, N, I, C

National Board, State Province, and Endorsements

Date: April 22, 20 13

(Final

Doc 4A

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 2-2-12
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01442461-04** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **Main Feedwater [FW]**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W/75* Addenda, None Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
GATE VALVE THERMOCOUPLES	BORG WARNER	S/N 35601	N/A	2FW009C	1979	REMOVED	NO
GATE VALVE THERMOCOUPLES	BORG WARNER	S/N 35601	N/A	2FW009C	1979	INSTALLED	NO

7. Description of Work REPLACED THERMOCOUPLES ON 2FW009C VALVE BODY

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks **Work Order No. 01442461-04**
Applicable Manufacturer's Data Reports to be attached
* Thermocouple spot welding to be in accordance with ASME Section III NC-4311.2, 1992 Ed/1992 Addenda per EC 0000347800 and Valve Drwg 80210 Revision L. and T-Mod DCP 9901014.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RR Cons Date 3-8, 20 12
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 2/1/12 to 3/8/12, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL1254, A,N,I,C
Inspector's Signature — National Board, State Province, and Endorsements

Date: March 8, 20 12

DOCUMENT NO.: 4.2	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) — Date 4/17/13
   4300 Winfield Road, Warrenville, IL (Address) — Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) — Unit 02
   4450 N. German Church Road, Byron, IL (Address) — **Work Order No. 01450986-01/02** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) — Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) — Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **RY / PRESSURIZER**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W72 Addenda, na Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RELIEF VALVE 2RY8010A	CROSBY VALVE & GAGE	N56964-00-0030	N/A	2RY8010A	1976	Removed	YES
RELIEF VALVE 2RY8010A	CROSBY VALVE & GAGE	N56964-00-0048	N/A	CAT ID 1402762-1	1976	Installed	YES

7. Description of Work REMOVE / REPLACE PRESSURIZER RELIEF VALVE 2RY8010A
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 2234 psi Test Temp. 556 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01450986-01/02
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nike, RR COORDINATOR Date 5-16, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/13/12 to 5/16/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL1254, A,N,I,C
Inspector's Signature
National Board, State Province, and Endorsements

Date: May 16, 20 13

(Final)

DOCUMENT NO.: 5A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/18/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01478575-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **SI - SAFETY INJECTION**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W/72 Addenda, NONE Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SEAL WELD ON VALVE CAP	Flowserve	67BSC	N/A	2SI8819A	2011	CORRECTED	YES

7. Description of Work REPAIR SEAL WELD

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks WO# 01478575-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David C. Sikes, RR COORDINATOR Date 4-24, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 10/9/12 to 4/24/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8511, IL1254, A,N,I,C
Inspector's Signature
National Board, State Province, and Endorsements

Date: April 24, 20 13

(Final

DOCUMENT NO.: 5.2

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/25/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01479994-34** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **REACTOR COOLANT SYSTEM (RC)**
5. (a) Applicable Construction Code 19 71 Edition, S72/ W74 Addenda, Code Case1355, 1493-1, 1484, 1528, NB4643
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
S/G #16 NOZZLE WELD TO GEN	Westinghouse	2096	N/A	2RC01BB	1980	Corrected	YES

7. Description of Work Base metal defect removal

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   Other ☒ * Pressure _____ psi Test Temp. _____ °F

*NDE Report B2R17- MT-003

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01479994-34
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibbi, RR COORDINATOR Date 5-23, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/19/13 to 5/23/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB 8511, IL 1254, A, N, I, C
National Board, State Province, and Endorsements

Date: May 23, 20 13

(Final)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/17/13
4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01480596-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
Expiration Date **Not Applicable**
4. Identification of System **SI – Safety Injection**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W72 Addenda, None Code Case
vlv/piping 74 S75 None
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
(c) Section XI Code Case(s) None
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1-1/2" CHECK VALVE	KEROTEST	S/N: KYA4-18	9394	2SI8900C	1976	REMOVED	YES
1-1/2" CHECK VALVE	Flowserve, Inc	S/N: 39BUX	N/A	CAT ID: 23370	2013	INSTALLED	YES
1-1/2" SCH. 160 PIPE	HUNTER CORP.	HT# 479161	N/A	2SI08JC-1-1/2"	1982	REMOVED	NO
1-1/2" SCH. 160 PIPE	Consolidated Power Supply	HT# 510310	N/A	CAT ID: 41105	2009	INSTALLED	NO
1-1/2" 90 DEG 6000# ELBOW	HUNTER CORP.	HT#: NM	N/A	2SI08JC-1-1/2"	1982	REMOVED	NO
1-1/2" 90 DEG 6000# ELBOW	Consolidated Power Supply	HT# 44053	N/A	CAT ID: 39262	2007	INSTALLED	NO
SEAL WELD ON VALVE CAP	EXELON	N/A	N/A	N/A	2013	INSTALLED	NO

7. Description of Work REPLACE CHECK VALVE AND ASSOCIATED PIPING.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
Other ☐ Pressure 2234 / 2418 psi Test Temp. 557 / 476 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01480596-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Liber, RR COORDINATOR Date 5-20, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 12/17/12 to 5/20/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB 8511, IL 1254, A,N,I,C

Inspector's Signature National Board, State Province, and Endorsements

Date: May 20, 20 13

(Final)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/17/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01480597-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **SI – Safety Injection**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W72 Addenda, None Code Case (vlv) / pipe-elbow 74 S75 None
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) None
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1-1/2" CHECK VALVE	KEROTEST	S/N: XLZ1-5	21,666	2SI8900A	1978	REMOVED	YES
1-1/2" CHECK VALVE	Flowserve	S/N: 92BVB	N/A	2SI8900A CAT ID: 23370	2013	INSTALLED	YES
1-1/2" SCH. 160 PIPE	HUNTER CORP	HT# 750725 HT# 479161	N/A	2SI08JA-1-1/2"	1985	REMOVED	NO
1-1/2" SCH. 160 PIPE	Consolidated Power Supply	HT# 510310	N/A	2SI8900A CAT ID: 41105	2009	INSTALLED	NO
1-1/2" 90 DEG 6000# ELBOW	HUNTER CORP	HT#: NM	N/A	2SI08JA-1-1/2"	1985	REMOVED	NO
1-1/2" 90 DEG 6000# ELBOW	Consolidated Power Supply	HT# 44027	N/A	2SI8900A CAT ID: 39262	2011	INSTALLED	NO
SEAL WELD ON VALVE CAP	EXELON	N/A	N/A	N/A	2013	INSTALLED	NO

7. Description of Work REPLACE CHECK VALVE AND ASSOCIATED PIPING.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 2234 / 2418 psi Test Temp. 557 / 476 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01480597-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibler, RR COORDINATOR Date 5-20, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/12/12 to 5/20/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL1254, A, N, E, C
Inspector's Signature National Board, State Province, and Endorsements

Date: May 20, 20 13

(Final)

DOCUMENT NO.: 5.2	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/17/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01480598-01, 12** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **SI – Safety Injection**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W72 Addenda, None Code Case
   Vlv / Pipe 74 S75 None
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) None
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1-1/2" CHECK VALVE	KEROTEST	S/N: KYA4-14	9391	2SI8900B	1976	REMOVED	YES
1-1/2" CHECK VALVE	Flowserve	S/N: 38BUX	N/A	2SI8900B CAT ID: 23370	2012	INSTALLED	YES
1-1/2" SCH. 160 PIPE	HUNTER CORP.	HT# 750725	N/A	2SI08JB-1-1/2"	1982	REMOVED	NO
1-1/2" SCH. 160 PIPE	Consolidated Power Supply	HT#: A3614H	N/A	2SI8900B CAT ID: 41105	1998	INSTALLED	NO
SEAL WELD ON VALVE CAP	EXELON	N/A	N/A	N/A	2013	INSTALLED	NO

7. Description of Work REPLACE CHECK VALVE AND ASSOCIATED PIPING.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 2418 / 2234 psi Test Temp. 476 / 557 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01480598-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Libra, RR COORDINATOR Date 5-20, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 11/12/12 to 5/30/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL1254, A,N,E,C
Inspector's Signature National Board, State Province, and Endorsements

Date: May 30, 20 13

(Final)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-17-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01480599-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **SI – Safety Injection**
5. (a) Applicable Construction Code ASME Section III 1971 Edition W72 Addenda, None Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) None
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1-1/2" CHECK VALVE	KEROTEST	S/N: KYA4-16	9393	2SI8900D	1976	REMOVED	YES
1-1/2" CHECK VALVE	Flowserve, Inc.	S/N: 03BQB	N/A	CAT ID: 23370	2010	INSTALLED	YES

7. Description of Work REPLACED CHECK VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 2418 / 2234 psi Test Temp. 476 / 557 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01480599-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David C. Liberi, RR COORDINATOR Date 5-13, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/10/12 to 5/14/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB 8511, IL 1454 A,N,E,C

National Board, State Province, and Endorsements

Date: May 14, 20 13

(Final)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/14/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01481192-01 / 02** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Shaw/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **Safety Injection (SI)**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W72 Addenda, 1501; Code Case 1649
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE, RELIEF 2X3	Crosby Valve & Gage	N56902-00-0031	N/A	2SI8856B	2005	Removed	Yes
VALVE, RELIEF 2X3	Crosby Valve & Gage	N56902-00-0007	N/A	2SI8856B Cat Id 27740-1	1975	Installed	Yes

7. Description of Work INSTALLED REPLACEMENT RELIEF VALVE PER PM PROGRAM
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 201 psi Test Temp. na °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01481192-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David C. Nibe, RR COORDINATOR Date 5-10, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 5/14/12 to 5/10/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8511, IL1254, A,N,I,C
Inspector's Signature
National Board, State Province, and Endorsements

Date: May 10, 20 13

DOCUMENT NO.: 3.2	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/17/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01481338-01/02** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **Chemical Volume and Control (CV)**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S/72 Addenda, _____ Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE, RELIEF	CROSBY VALVE & GAGE	N56900-00-0018	N/A	2CV8121	1975	Removed	YES
VALVE, RELIEF	CROSBY VALVE & GAGE	N56900-00-0015	N/A	2CV8121 Cat ID 27260-1	1975	Installed	YES

7. Description of Work INSTALLED REPLACEMENT RELIEF VALVE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 50 psi Test Temp. 137 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01481338-01/02

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Sider, RR COORDINATOR Date 5-10, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 5/14/12 to 5/13/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB8511, IL1234, A, N, I, C

National Board, State Province, and Endorsements

Date: May 13, 20 13

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name)
   4300 Winfield Road, Warrenville, IL (Address)
   Date 3/21/13
   Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name)
   4450 N. German Church Road, Byron, IL (Address)
   Unit 02
   Work Order No. 01481338-02 (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name)
   4450 N. German Church Road, Byron, IL (Address)
   Type Code Symbol Stamp **Not Applicable**
   Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **CV**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S/72 Addenda, NONE Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s)
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
NOZZLE	CROSBY	N90137-11-0356	N/A	Heat # 8656978	2000	REMOVED	No
DISC INSERT	CROSBY	N90448-85-0329	N/A	Heat #713562	1998	REMOVED	No
NOZZLE	CROSBY	N90137-34-0393	N/A	CAT ID 2055-1	2009	INSTALLED	No
DISC INSERT	CROSBY	N90448-10-0380	N/A	CAT ID 2056-1	2009	INSTALLED	No

7. Description of Work REBUILD/REPAIR RELIEF VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 50 psi Test Temp. 137 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks WO#01481338-02
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Silva, RR COORDINATOR Date 5-10, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/14/13 to 5/13/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions HB8511, IL1254, A,N,I,C

Inspector's Signature National Board, State Province, and Endorsements

Date: May 13, 20 13

(Final

DOCUMENT NO.: 2.2	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-16-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01491143-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **(CV) CHEMICAL FEED & VOLUME CONTROL**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1644 Rev. 7, 1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. *Identification of Components*

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber, PSA – 1/2	Pacific Scientific	S/N: 6381	N/A	2SI22018S	1983	Removed	YES
Snubber, Lisega 301856RF2	Lisega	S/N: 31200814/005	N/A	2SI22018S Cat. ID# 1033720-1	2013	Installed	NO

7. Description of Work REPLACED WITH NEW LISEGA SNUBBER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   VT-3 Other ☒ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01491143-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RR Coord. Date 6-17, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/27/13 to 6/17/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL454, A,M,E,C
Inspector's Signature — National Board, State Province, and Endorsements

Date: June 17, 20 13

(Final)

DOCUMENT NO.: 6.1	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-16-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01491175-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **RY**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1644 Rev. 7, 1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 N-225, N-38, 1690, N-247, & N-242-1 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIN, PIVOT	GRINNELL	N/A	N/A	2RY09060S1	1983	Removed	NO
PIN, PIVOT	GRINNELL	N/A	N/A	2RY09060S1 Cat ID 32458-1	1998	Installed	NO

7. Description of Work REPLACED PIVOT PIN

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   VT-3 Other ☒ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01491175-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RR Lead. Date 6-17, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/13/13 to 6/17/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL1254, A, N, I, C

Inspector's Signature National Board, State Province, and Endorsements

Date: June 17, 20 13

(Final)

DOCUMENT NO.: 6.1	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-16-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01491176-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **RY**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1644 Rev. 7, 1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 Code Case N-225, N-38, 1690, N-247, N-242-1
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIN, PIVOT	GRINNELL	N/A	N/A	2RY09060S2	1983	Removed	NO
PIN, PIVOT	GRINNELL	N/A	N/A	2RY09060S2 Cat ID 32458-1	1998	Installed	NO

7. Description of Work REPLACED PIVOT PIN
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   VT-3 Other ☒ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01491176-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed Scott Eggert RR Coord. Date 6-17, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 4/13/13 to 6/17/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions NB 8711, IL 1454, A, N, I, C
National Board, State Province, and Endorsements

Date: June 17, 20 13

(Final)

DOCUMENT NO.: 2.2	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-22-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01491202-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **(CV) CHEMICAL FEED & VOLUME CONTROL**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1644 Rev. 7, 1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber, PSA – 1/4	Pacific Scientific	S/N: 13212	N/A	2CV40007S	1983	Removed	YES
Snubber, Lisega 301856RF1	Lisega	S/N: 31200814/004	N/A	2CV40007S	2013	Installed	NO

7. Description of Work REPLACED NEW LISEGA SNUBBER
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   VT-3 Other ☒ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01491202-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RR Mgr Date 6-17, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/27/13 to 6/17/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions [illegible]
Inspector's Signature National Board, State Province, and Endorsements

Date: June 17, 20 13

(Final)

DOCUMENT NO.: 2.2	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-16-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01491239-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I/Stone & Webster** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **(CV) CHEMICAL FEED & VOLUME CONTROL**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1644 Rev. 7, 1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber, PSA – 1/2	Pacific Scientific	S/N: 12677	N/A	2CV34008S	1983	Removed	YES
Snubber, Lisega 301856RF2	Lisega	S/N: 31200814/006	N/A	2CV34008S Cat ID# 1033720-1	2013	Installed	NO

7. Description of Work REPLACED WITH A NEW LISEGA SNUBBER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   VT-3 Other ☒ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01491239-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RR Coord. Date 6-17, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/27/13 to 6/18/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8511, IL1354, A, N, I, C
Inspector's Signature — National Board, State Province, and Endorsements

Date: June 18, 20 13

(Final)

DOCUMENT NO.: 2A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-24-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01505356-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **CB&I** (Name) Type Code Symbol Stamp **Not Applicable**
   36400 S. Essex Road, Wilmington, IL 60481 (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **CV- CHEMICAL FEED AND VOLUME CONTROL**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S/75 Addenda, NONE Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPE, 3" (PARTIAL)	Hunter Corp.	Serial No. 11440	N/A	2CV19A-3" Spool CV-26-8	1977	Removed	Yes
FLANGES, 3", 600 LB (2 ea.)	Chicago Tube & Iron	Heat No.: ALZB-1	N/A	2CV32MA CID# 20147-1	1987	Installed	NO
BLANK PLATE	Energy Steel & Supply Co.	Heat No.: E7T4	N/A	2CV32MA CID# 1457699-1	2013	Installed	NO
STUDS, 3/4"	Nova Machine Products Inc.	Heat No.: 3017675	N/A	2CV32MA CID# 37094-1	2011	Installed	NO
NUTS, 3/4"	Nova Machine Products Inc.	Heat No.: 5092414	N/A	2CV32MA CID# 1394886-1	2011	Installed	NO
PIPE, 3" (PARTIAL)	Hunter Corp.	Serial No. 11434	N/A	2CV80A-3" Spool CV-26-1	1977	Removed	Yes
FLANGES, 3", 600 LB (2 ea.)	Chicago Tube & Iron	Heat No.: ALZB-1	N/A	2CV33MA CID# 20147-1	1987	Installed	NO
BLANK PLATE	Energy Steel & Supply Co.	Heat No.: E7T4	N/A	2CV33MA CID# 1457699-1	2013	Installed	NO
STUDS, 3/4"	Nova Machine Products Inc.	Heat No.: 3017675	N/A	2CV33MA CID# 37094-1	2011	Installed	NO
NUTS, 3/4"	Nova Machine Products Inc.	Heat No.: 5092414	N/A	2CV33MA CID# 1394886-1	2011	Installed	NO

7. Description of Work INSTALLED NEW BLANK PLATE ASSEMBLIES PER EC#379229
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 353 psi Test Temp. 112 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks 01505356-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RR Coord Date 6-18, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 10/15/12 to 6/18/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB 8511, IL 1254, A, H, I, C
Inspector's Signature — National Board, State Province, and Endorsements

Date: June 19, 20 13

(Final

Doc 4A

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 5-2-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01512586-04** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **Main Feedwater [FW]**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W/75* Addenda, None Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
GATE VALVE THERMOCOUPLES	BORG WARNER	S/N 35601	N/A	2FW009C	1979	REMOVED	NO
GATE VALVE THERMOCOUPLES	BORG WARNER	S/N 35601	N/A	2FW009C	1979	INSTALLED	NO

7. Description of Work REPLACED THERMOCOUPLES TO 2FW009C VALVE BODY
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks **Work Order No. 01512586-04**
Applicable Manufacturer's Data Reports to be attached
* Thermocouple spot welding to be in accordance with ASME Section III NC-4311.2, 1992 Ed/1992 Addenda per EC 0000374800 and Valve Drwg 80210 Revision L. and T-Mod DCP 9901014.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Lisle, RR COORDINATOR Date 5-2, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 10/30/12 to 5/3/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions NB8971, IL1254, A,N,I,C
Inspector's Signature — National Board, State Province, and Endorsements

Date: May 3, 20 13

DOCUMENT NO.: 3A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/25/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01561181-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **MS - MAIN STEAM**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1682-1 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Trim Set	W-K-M Valve	Valve S/N 70-117595	NA	Plug HT#32635 2MS018A	1994	Removed	NO
Valve Trim Set	Flowserve	S/N# L9366-1-5	NA	CI#1449830-1 UTC#2904650	2011	Installed	YES

7. Description of Work REPLACE VALVE TRIM SET PER EC:390008

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks W/O#01561181-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibbe, RR COORDINATOR Date 4-27, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/11/13 to 4/27/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8511, IL1254, A,N,I,C
Inspector's Signature
National Board, State Province, and Endorsements

Date: April 27, 20 13

DOCUMENT NO.: 3A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) — Date 4/23/13
   4300 Winfield Road, Warrenville, IL (Address) — Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) — Unit 02
   4450 N. German Church Road, Byron, IL (Address) — **Work Order No. 01561185-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) — Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) — Authorization No. **Not Applicable**; Expiration Date **Not Applicable**
4. Identification of System **MS - MAIN STEAM**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1682-1 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Trim Set	Anchor Darling	Valve S/N# 70-117596	NA	Plug HT#32635 2MS018B	1994	Removed	NO
Valve Trim Set	Flowserve	S/N# P0924-1 S/N:1	NA	CI#1461659-1 UTC# 2932916	2012	Installed	YES

7. Description of Work REPLACE VALVE TRIM SET PER EC:390008
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks W/O#01561185-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibu, RR COORDINATOR Date 4-30, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/2/13 to 5/1/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8511, IL1254, A.N.I.C
Inspector's Signature
National Board, State Province, and Endorsements

Date: May 1, 20 13

DOCUMENT NO.: 3A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 04/25/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 01
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 01561187-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **MS - MAIN STEAM**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S/74 Addenda, 1682-1 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Trim Set	W.K.M. VALVE	VALVE S/N: 70-117597	1910	PLUG S/N#1 2MS018C	1980	Removed	No
Valve Trim Set	Flowserve Corp.	VALVE S/N: P0924-1S/N:2	NA	CI#-1461659-1 UTC#-2932918	2012	Installed	Yes

7. Description of Work REPLACE VALVE TRIM SET PER EC:390008
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks WO: 1561187-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibert, RR COORDINATOR Date 4-27, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/11/13 to 4/27/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8511, IL1394, A,N,I,C
Inspector's Signature
National Board, State Province, and Endorsements

Date: April 27, 20 13

(Final

DOCUMENT NO.: 3A	REV. NO.: 0

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4/25/13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 01
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 1561189-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **Byron Mechanical Maintenance** (Name) Type Code Symbol Stamp **Not Applicable**
   4450 N. German Church Road, Byron, IL (Address) Authorization No. **Not Applicable**
   Expiration Date **Not Applicable**
4. Identification of System **MS - MAIN STEAM**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S/74 Addenda, 1682-1 Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: **2001 Edition/2003 Addenda**
   (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Valve Trim Set	W-K-M Valve	VALVE S/N: 70-117598	NA	PLUG HT#76506 2MS018D	1979	Removed	No
Valve Trim Set	Flowserve Corp.	S/N# P0924-1 S/N:3	NA	CI#1461659-1 UTC#2932919	2012	Installed	Yes

7. Description of Work REPLACE VALVE TRIM SET PER EC:390008

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks WO: 1561189-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibe, RR COORDINATOR Date 4-27, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/21/13 to 4/27/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8511, IL1254, A,N,I,C

Inspector's Signature

National Board, State Province, and Endorsements

Date: April 27, 20 13

(Final

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 3-26-13
4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 02
4450 N. German Church Road, Byron, IL (Address) **P.O. 00485139 Rev. 01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **NWS Technologies, LLC**
131 Venture Boulevard
Spartanburg, SC 29306 (Address)
Type Code Symbol Stamp VR / NR
Authorization No. 632 / 81
Expiration Date 4-3-15 / 4-9-15
4. Identification of System **MAIN STEAM (MS)**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, N/A Addenda, None Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MAIN STEAM SAFETY RELIEF VALVE	DRESSER	VALVE S/N: BU01490	N/A	CAT ID# 1439914-1	1978	REMOVED	YES
MAIN STEAM SAFETY RELIEF VALVE	DRESSER	VALVE S/N: BU01490	N/A	CAT ID# 1439914-1	1978	CORRECTED	YES
DISK	DRESSER	S/N: AAJ04	N/A	VALVE S/N: BU01490	1978	REMOVED	NO
(INCONNEL X-750) DISK	DRESSER	S/N: AGM19	N/A	CAT ID# 1438465-1 UTC# 2894630	2011	INSTALLED	NO
Spindle	DRESSER	S/N: G1299	N/A	VALVE S/N: BU01490	1978	REMOVED	NO
Spindle	DRESSER CONSOLIDATED	S/N: AGD80	N/A	CAT ID# 1449980-1 UTC# 2891523	2011	INSTALLED	NO
Compression Screw	DRESSER	N/A	N/A	VALVE S/N: BU01490	1978	REMOVED	NO
Compression Screw	DRESSER CONSOLIDATED	S/N: AGF31	N/A	CAT ID# 1452424-1 UTC# 2893937	2011	INSTALLED	NO

7. Description of Work Refurbished MS relief valve, replaced disc, spindle, compression screw. Installed extended wear mod EC 339376 and anti-rotation mod EC 340678.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒

Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks **P.O. 00485139 Rev. 01**
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed David A. Nibe, RR COORDINATOR Date 4-8, 20 13
Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/25/13 to 4/8/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Commissions NB8514, IL1254, A,N,I,C
Inspector's Signature
National Board, State Province, and Endorsements

Date: April 8, 20 13

193140

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
As Required by the Provisions of the ASME Code Section XI

1. Owner **Exelon Nuclear** (Name) Date 4-2-13
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 2
2. Plant **Byron Nuclear Power Station** (Name) Unit 01
   4450 N. German Church Road, Byron, IL (Address) **P.O. 00495705 Rev-1** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **NWS Technologies, LLC** Type Code Symbol Stamp VR / NR
   131 Venture Boulevard Authorization No. 632 / 81
   Spartanburg, SC 29306 (Address) Expiration Date 4-3-15 / 4-9-15
4. Identification of System **MAIN STEAM (MS)**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, N/A Addenda, None Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MAIN STEAM SAFETY RELIEF VALVE	DRESSER	VALVE S/N: BR09593	N/A	VALVE UTC# 2926784	1977	CORRECTED	YES
SPINDLE	DRESSER	S/N: G9776	N/A	VALVE S/N: BR09593	1977	REMOVED	NO
SPINDLE	DRESSER	S/N: AGD81	N/A	CAT ID# 1449980-1 UTC# 2884360	2011	INSTALLED	NO
COMPRESSION SCREW	DRESSER	S/N: N/A	N/A	VALVE S/N: BR09593	1977	REMOVED	NO
COMPRESSION SCREW	DRESSER	S/N: AHL18	N/A	CAT ID# 1452424-1 UTC# 2935518	2013	INSTALLED	NO

7. Description of Work Refurbished valve / installed new spindle & compression screw.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Other ☐ Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

193140

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner **Exelon Nuclear** (Name) — Date 4-2-13
   4300 Winfield Road, Warrenville, IL (Address) — Sheet 2 of 2
2. Plant **Byron Nuclear Power Station** (Name) — Unit 01
   4450 N. German Church Road, Byron, IL (Address) — **P.O. 00495705 Rev-1** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **NWS Technologies, LLC**
   131 Venture Boulevard
   Spartanburg, SC 29306 (Address)
   Type Code Symbol Stamp VR / NR
   Authorization No. 632 / 81
   Expiration Date 4-3-15 / 4-9-15
4. Identification of System **MAIN STEAM (MS)**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, N/A Addenda, None Code Case
   (b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda
   (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MAIN STEAM SAFETY RELIEF VALVE	DRESSER	VALVE S/N: BR09597	N/A	VALVE UTC# 2926786	1977	CORRECTED	YES
SPINDLE	DRESSER	S/N: G9776	N/A	VALVE S/N: BR09597	1977	REMOVED	NO
SPINDLE	DRESSER	S/N: AGD76	N/A	CAT ID# 1449980-1 UTC# 2884360	2011	INSTALLED	NO
COMPRESSION SCREW	DRESSER	S/N: N/A	N/A	VALVE S/N: BR09597	1977	REMOVED	NO
COMPRESSION SCREW	DRESSER	S/N: AHL16	N/A	CAT ID# 1452424-1 UTC# 2935518	2013	INSTALLED	NO
DISC	DRESSER	S/N: ADC97	N/A	VALVE S/N: BR09597	2000	REMOVED	NO
DISC	DRESSER	S/N: ADG34	N/A	Disc removed from Valve BR09606	2001	INSTALLED	NO

(Final)

FORM NIS-2 (Back)

193140

9. Remarks **P.O. 00495705 Rev-1**
Applicable Manufacturer's Data Reports to be attached

NWS Traveler 12-353 Valve S/N: BR09593

NWS Traveler 12-354 Valve S/N: BR09597

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp **Not Applicable**

Certificate of Authorization No. **Not Applicable**

Signed [signature] RR Mgr Date 4-6, 20 13

Owner or Owner's Designee, Title

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 **Illinois** and employed by **HSB CT** of **Hartford, CT** have inspected the components described in this Owner's Report during the period 3/25/13 to 4/8/13, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the 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 Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[signature] Commissions 10851, 12154, A,N,I,C

Inspector's Signature — National Board, State Province, and Endorsements

Date: April 8, 20 13