BYRON
UNIT 1

Exelon Nuclear

B1R14

Fall 2006 Outage

INSERVICE INSPECTION SUMMARY REPORT

For Inspection Activities
from
March 26, 2005
to
October 16, 2006

Commercial Service Date
September 16, 1985

Document Completion Date
January 5, 2007

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BYRON UNIT 1

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B1R14

INSERVICE INSPECTION SUMMARY REPORT

Section 1.0
Report Introduction

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 1 from March 26, 2005 through October 16, 2006. The majority of these activities were performed during the fourteenth refueling outage (B1R14) from September 11 through October 16, 2006. The examinations were performed in compliance with the rules and regulations of ASME Section XI, Division 1, *Rules for Inservice Inspection of Nuclear Power Plant Components*, (applicable edition and addenda), pursuant to the requirements of 10 CFR 50.55a, *Codes and Standards*. This summary report meets the requirements of ASME Code, IWA-6000 for the inspection of Class 1 and 2 components and piping. This report also includes inspection results of components for Class 3 and Augmented Programs. Class CC and MC components in the Containment Inservice Inspection (CISI) program are included when examination results require reporting as specified in 10 CFR 50.55a. See 7.0 in this section for a listing of referenced documents.

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

In addition to the ASME Section XI requirements of examination, certain Nuclear Regulatory Commission (NRC) augmented ISI inspections were required. The Byron Station Unit 1 augmented examination requirements include:

a) Class 1 pressure boundary for leakage at nominal operating pressure, in accordance with NRC Generic Letter 88-05;

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

c) Class 2 IWC-1220 exempted piping per Information Notice No. 79-19

1.1 Identification of Examination Requirements

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

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

1.2 Identification of Exempted components

ASME Class 1, 2, and 3 components, or parts of components, that are not included in the examination tables and that are exempt from examination, as specified in Section XI Paragraphs IWB, IWC, and IWD-1200, *Components Exempt from Examination*, and

Table IWD-2500-1, are identified in the NDE Program Plan in conjunction with technical justification(s) for exempting the component/system. Class 1 or 2 piping welds exempted by IWB and IWC-1200 are not included in the RI-ISI program. Previous selection and examination exemptions identified in Tables IWB and IWC-2500-1 for Examination Categories B-F, B-J, C-F-1, and C-F-2, are not allowed under the requirements of the RI-ISI program. With the adoption of RI-ISI, welds evaluated as Risk Category 6 or 7 are not required to be subject to examination.

1.3 Implementation of the ISI Program

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

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

Certified personnel performed and evaluated all NDE. Personnel were certified to the requirements of the ASNT SNT-TC-1A, 1984 Edition. Additionally, ultrasonic examiners were certified in accordance with ANSI/ASNT CP-189, 1995 Revision. The NDE procedures were developed and certified in conformance with ASME Section V and XI, 2001 Edition through the 2003 Addenda, and the 1995 Edition with the 1996 Addenda as applicable.

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

1.4 Second and Third 10-Year Inspection Intervals

The 14th fuel cycle for Unit 1 encompasses a time span of March 26, 2005 to October 16, 2006. Activities that occurred prior to January 16, 2006 were performed during the Second Inspection Interval. Activities that occurred on or after January 16, 2006 were performed during the Third Inspection Interval.

1.5 Significant Activities During B1R14

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

1.6 ASME Section XI Code Cases

The following code cases are incorporated into the current Byron Station ISI Program and were utilized during the 14th fuel cycle.

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

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

N-624 *Successive Inspections.*

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

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

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

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

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

Repair/replacement activities that occurred prior to January 16, 2006 were in the Second Inspection Interval under the 1989 Edition of the ASME Code. Use of the following case was applicable during this time:

N-416-2 *Alternative Pressure Test Requirement for Welded Repairs or Installation of Replacement Items by Welding, Class 1, 2, and 3*

1.7 Witness and Verification of Examination

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

2.0 EXAMINATION SUMMARIES

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

- Welds & Components Summaries

  Inservice Inspection - Weld / Component Listing
  Inservice Inspection - Bolts, Pumps, and Valves Listing
  Preservice Inspection - Weld / Component Listing
  Preservice Inspection - Bolts, Pumps, and Valves Listing

- System Pressure Test Summary

  Tests performed during the 2nd Inspection Interval
  Tests performed during the 3rd Inspection Interval

- Component Support Examination Summary

- Component Snubber Test Summary

3.0 UNIT 1 EXAMINATION COMPLETION STATUS

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

4.0 FORM NIS-1 DATA SHEETS

- Welds, Bolts, Pumps, Valves, Supports, and Snubbers

- Pressure Tests 2nd Inspection Interval

- Pressure Tests 3rd Inspection Interval

5.0 FORM NIS-2 DATA SHEETS

ASME Form NIS-2, *Owners Report for Repairs or Replacements*, were filed during the cycle for Unit 1. See Section 5.0 for the reports.

6.0 CONTAINMENT ISI PROGRAM

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

7.0 REFERENCED DOCUMENTS

7.1 Code of Federal Regulations, Title 10 *Energy*

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

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

Section V, *Nondestructive Examination*, 1989 Edition.
Section V, *Nondestructive Examination*, 1995 Edition, with the 1996 Addenda.
Section V, *Nondestructive Examination*, 2001 Edition, through 2003 Addenda.
Section XI, *Rules for Inservice Inspection of Nuclear Power Plant Components*, 1989 Edition (for 2nd Inspection Interval pressure tests and repair/replacement activies).

Section XI, *Rules for Inservice Inspection of Nuclear Power Plant Components*, 1995 Edition, 1996 Addenda (for Appendix VIII requirements).

Section XI, *Rules for Inservice Inspection of Nuclear Power Plant Components*, 2001 Edition, through 2003 Addenda (for 3rd Inspection Interval).

7.3 American National Standards Institute / American Society for Nondestructive Testing

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

7.4 American Society for Nondestructive Testing

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

7.5 Miscellaneous NRC Documents

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

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

Information Notice No. 79-19, *Pipe Cracks in Stagnant Borated Water Systems at PWR Plants.*

7.6 Electric Power Research Institute

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

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

Section 2.0
Examination Summary Tables

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Containment Spray System (CS)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1CS02AA-10/C01 Reducer - Elbow	1CS02AA-10	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-117								
R-A R1.20	1CS02AA-10/C65 Elbow - Pipe	1CS02AA-10	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-170								
R-A R1.20	1CS02AA-10/C88 Elbow - Reducer	1CS02AA-10	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	GEOM
OBS 14-118 Root Geometry 360° Intermittent								
R-A R1.20	1CS06AA-6/C07 Pipe - Elbow	1CS06AA-6	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-119								
R-A R1.20	1CS06AA-6/C08 Elbow - Pipe	1CS06AA-6	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-120								
R-A R1.20	1CS06AB-6/C05 Elbow - Pipe	1CS06AB-6	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-122								
R-A R1.20	1CS06AB-6/C06 Pipe - Pipe	1CS06AB-6	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-123								
R-A R1.20	1CS10AA-6/C06 Pipe - Elbow	1CS10AA-6	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-168								
R-A R1.20	1CS10AA-6/C20 Elbow - Pipe	1CS10AA-6	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-169								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1CV05B-8/C24 Elbow - Pipe	1CV05B-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-171								
R-A R1.20	1CV05B-8/C25 Pipe - Tee	1CV05B-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-172								
R-A R1.20	1CV05B-8/C26 Tee - Pipe	1CV05B-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-173								
R-A R1.20	1CV08AA-4/C03 Elbow - Pipe	1CV08AA-4	I3R-02	C5.21 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-124								
R-A R1.20	1CV08AA-4/C17 Pipe - Tee	1CV08AA-4	I3R-02	C5.21 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-175								
R-A R1.20	1CV08BA-4/C09 Pipe - Elbow	1CV08BA-4	I3R-02	C5.21 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-178								
R-A R1.20	1CV08BA-4/C21 Pipe - Tee	1CV08BA-4	I3R-02	C5.21 I3T-01 I3T-02	100	VOL-E	UT	GEOM
OBS 14-180 Root Geometry 360° Intermittent.								
R-A R1.20	1CV09A-4/C02 Reducer - Tee	1CV09A-4	I3R-02	C5.21 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-176								
R-A R1.20	1CV09A-4/C03 Tee - Pipe	1CV09A-4	I3R-02	C5.21 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-177								
R-A R1.20	1CV09A-4/C07 Pipe - Elbow	1CV09A-4	I3R-02	C5.21 I3T-01 I3T-02	100	VOL-E	UT	GEOM
OBS 14-181 Root Geometry 360° Intermittent.								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1CVA1A-6/C02 Elbow - Pipe	1CVA1A-6	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-174								
R-A R1.11	1CVA3AA-2/W-06 Pipe - Elbow	1CVA3AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-001								
R-A R1.11	1CVA3AA-2/W-07 Elbow - Pipe	1CVA3AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-002								
R-A R1.11	1CVA3B-2/W-74 Pipe - Elbow	1CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-003								
R-A R1.11	1CVA3B-2/W-75 Elbow - Pipe	1CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-004								
R-A R1.11	1CVA3B-2/W-76 Pipe - Elbow	1CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-005								
R-A R1.11	1CVA3B-2/W-77 Elbow - Pipe	1CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-006								
R-A R1.11	1CVA3B-2/W-84 Pipe - Elbow	1CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-007								
R-A R1.11	1CVA3B-2/W-85 Elbow - Pipe	1CVA3B-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-008								
R-A R1.11	1CVA5AA-2/W-04 Pipe - Elbow	1CVA5AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-009								
R-A R1.11	1CVA5AA-2/W-05 Elbow - Pipe	1CVA5AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-010								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.11	1CVA6AA-2/W-04 Pipe - Elbow	1CVA6AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-011								
R-A R1.11	1CVA6AA-2/W-05 Elbow - Pipe	1CVA6AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-012								
R-A R1.11	1CVA7AA-2/W-08 Pipe - Elbow	1CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-013								
R-A R1.11	1CVA7AA-2/W-09 Elbow - Pipe	1CVA7AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-014								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Feedwater System (FW)

Section XI Cat.		Component ID Description	Line Number	Relief Requeste	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments									
R-A	R1.11 R1.18	1FW03DA-16/C01 Valve - Pipe	1FW03DA-16	I3R-02	C5.51 I3T-01 I3T-02	97	VOL-E	UT	GEOM
OBS 14-125 Root Geometry 360° Intermittent. Exam obstructed by adjacent branch connection.									
R-A	R1.11 R1.18	1FW03DA-16/C02 Pipe - Penetration	1FW03DA-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	GEOM
OBS 14-126 Root Geometry 360° Intermittent									
R-A	R1.11 R1.18	1FW03DD-16/C14 Pipe - Elbow	1FW03DD-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-213									
R-A	R1.11 R1.18	1FW03DD-16/C15 Elbow - Pipe	1FW03DD-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-214									
R-A	R1.11 R1.18	1FW03DD-16/C16 Pipe - Elbow	1FW03DD-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-215									
R-A	R1.11 R1.18	1FW03DD-16/C17 Elbow - Pipe	1FW03DD-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-216									
R-A	R1.11 R1.18	1FW03DD-16/C19.01 Pipe - Elbow	1FW03DD-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-217									
R-A	R1.11 R1.18	1FW03DD-16/C20.01 Elbow - Pipe	1FW03DD-16	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-218									
R-A	R1.11 R1.18	1FW87CA-6/C07A Elbow - Pipe	1FW87CA-6	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-127									
R-A	R1.11 R1.18	1FW87CA-6/C08A Pipe - SOL	1FW87CA-6	I3R-02	C5.51 I3T-01 I3T-02	92	VOL-E	UT	IND
OBS 14-128 Spot mid-wall indication seen outside exam volume. One-sided exam due to pipe to sweep-o-let configuration.									

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Main Steam System (MS)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1MS01AB-32.75/C01.01 Safe End - Elbow	1MS01AB-32.75	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-130								
R-A R1.20	1MS01AB-32.75/C01A Nozzle - Safe End	1MS01AB-32.75	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-131								
R-A R1.20	1MS01CD-30.25/C01 Pipe - Valve	1MS01CD-30.25	I3R-02	I3T-01 I3T-02	100	VOL-E	UT	GEOM
OBS 14-129 Root Geometry 360° Intermittent								
R-A R1.20	1MS07AB-28/C08 Pipe - Elbow	1MS07AB-28	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-183								
R-A R1.20	1MS07BB-28/C01 Elbow - Pipe	1MS07BB-28	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-182								
R-A R1.20	1MS07BB-28/C12 Pipe - Cap	1MS07BB-28	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-184								
R-A R1.20	1MS13AA-8/C08 Pipe - Valve	1MS13AA-8	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-132								
R-A R1.20	1MS13AA-8/C09 Valve - Elbow	1MS13AA-8	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	GEOM
OBS 14-133 Root Geometry 360° Intermittent								
R-A R1.20	1MS13AA-8/C10 Elbow - Pipe	1MS13AA-8	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-134								
R-A R1.20	1MS13AA-8/C11 Pipe - Reducer	1MS13AA-8	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-135								
R-A R1.20	1MS13AA-8/C12 Reducer - Valve	1MS13AA-8	I3R-02	C5.51 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-136								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Pressurizer (PZR)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
B-D B3.110	1RY-01-S/PN-01 Surge Nozzle	1RY-01-S	I3R-03		40	VOL	UT	NRI
OBS 14-197 Exam limited by nozzle configuration and heater penetrations.								
B-D B3.120	1RY-01-S/PN-01-NIR Surge Nozzle Inner Radius	1RY-01-S	I3R-03			VOL	UT	NRI
OBS 14-198								
B-D B3.110	1RY-01-S/PN-02 Spray Nozzle	1RY-01-S	I3R-12		77	VOL	UT	NRI
OBS 14-199 Scanning limited by nozzle configuration								
B-D B3.120	1RY-01-S/PN-02-NIR Spray Nozzle Inner Radius	1RY-01-S				VOL	UT	NRI
OBS 14-200								
B-D B3.110	1RY-01-S/PN-03 Safety Nozzle	1RY-01-S	I3R-12		77	VOL	UT	NRI
OBS 14-201 Scanning limited by nozzle configuration								
B-D B3.120	1RY-01-S/PN-03-NIR Safety Nozzle Inner Radius	1RY-01-S				VOL	UT	NRI
OBS 14-202								
B-D B3.110	1RY-01-S/PN-05 Relief Nozzle	1RY-01-S	I3R-12		68	VOL	UT	NRI
OBS 14-203 Scanning limited by nozzle configuration								
B-D B3.120	1RY-01-S/PN-05-NIR Relief Nozzle Inner Radius	1RY-01-S				VOL	UT	NRI
OBS 14-204								
B-D B3.110	1RY-01-S/PN-06 Relief Nozzle	1RY-01-S	I3R-12		77	VOL	UT	NRI
OBS 14-205 Scanning limited by nozzle configuration								
B-D B3.120	1RY-01-S/PN-06-NIR Relief Nozzle Inner Radius	1RY-01-S				VOL	UT	NRI
OBS 14-206								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1RC13AA-2/W-01 SOL - Pipe	1RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-015								
R-A R1.20	1RC13AA-2/W-02.01 Pipe - Tee	1RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-016								
R-A R1.20	1RC13AA-2/W-03 Tee - Reducer	1RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-017								
R-A R1.20	1RC13AA-2/W-04 Tee - Pipe	1RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-018								
R-A R1.20	1RC13AA-2/W-05 Pipe - Valve	1RC13AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-019								
R-A R1.20	1RC13AB-2/W-01 SOL - Pipe	1RC13AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-020								
R-A R1.20	1RC13AB-2/W-09 Pipe - Valve	1RC13AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-021								
R-A R1.20	1RC13AC-2/W-01 SOL - Pipe	1RC13AC-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-022								
R-A R1.20	1RC13AD-2/W-01 SOL - Pipe	1RC13AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-023								
R-A R1.11	1RC14AA-2/W-02 Pipe - Elbow	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-024								
R-A R1.11	1RC14AA-2/W-03 Elbow - Pipe	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-025								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.11	1RC14AA-2/W-03A Pipe - Tee	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-026								
R-A R1.11	1RC14AA-2/W-03B Tee - Reducer	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-027								
R-A R1.11	1RC14AA-2/W-03C Tee - Pipe	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-028								
R-A R1.11	1RC14AA-2/W-04 Pipe - Elbow	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-029								
R-A R1.11	1RC14AA-2/W-05 Elbow - Pipe	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-030								
R-A R1.11	1RC14AA-2/W-06 Pipe - Valve	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-031								
R-A R1.11	1RC14AA-2/W-07 Valve - Pipe	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-032								
R-A R1.11	1RC14AA-2/W-08 Pipe - Tee	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-033								
R-A R1.11	1RC14AA-2/W-09 Tee - Reducer	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-034								
R-A R1.11	1RC14AA-2/W-10 Reducer - Pipe	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-035								
R-A R1.11	1RC14AA-2/W-11 Pipe - Valve	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-036								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.11	1RC14AA-2/W-12 Pipe - Coupling	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-037								
R-A R1.11	1RC14AA-2/W-13 Coupling - Pipe	1RC14AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-038								
R-A R1.11	1RC14AB-2/W-07 Coupling - Pipe	1RC14AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-039								
R-A R1.11	1RC14AB-2/W-08 Pipe - Valve	1RC14AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-040								
R-A R1.11	1RC14AB-2/W-09 Valve - Pipe	1RC14AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-041								
R-A R1.11	1RC14AB-2/W-10 Pipe - Tee	1RC14AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-042								
R-A R1.11	1RC14AB-2/W-11 Tee - Reducer	1RC14AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-043								
R-A R1.11	1RC14AC-2/W-08 Pipe - Valve	1RC14AC-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-044								
R-A R1.11	1RC14AD-2/W-08 Pipe - Valve	1RC14AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-045								
R-A R1.11	1RC14AD-2/W-09 Valve - Pipe	1RC14AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-046								
R-A R1.11	1RC14AD-2/W-10 Pipe - Tee	1RC14AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-047								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.		Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments									
R-A	R1.11	1RC14AD-2/W-11 Tee - Reducer	1RC14AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-048									
R-A	R1.11	1RC14AD-2/W-12 Tee - Pipe	1RC14AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-049									
R-A	R1.11	1RC14AD-2/W-13 Pipe - Valve	1RC14AD-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-050									
R-A	R1.11	1RC16AA-2/W-02 Pipe - Valve	1RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-051									
R-A	R1.11	1RC16AA-2/W-03 Valve - Pipe	1RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-052									
R-A	R1.11	1RC16AA-2/W-04 Pipe - Elbow	1RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-053									
R-A	R1.11	1RC16AA-2/W-05 Elbow - Pipe	1RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-054									
R-A	R1.11	1RC16AA-2/W-06 Pipe - Elbow	1RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-055									
R-A	R1.20	1RC16AA-2/W-07 Elbow - Pipe	1RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-056									
R-A	R1.20	1RC16AA-2/W-08 Pipe - SOL	1RC16AA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-057									
R-A	R1.11	1RC16AB-2/W-02 Pipe - Elbow	1RC16AB-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-058									

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.11	1RC21AA-8/J07 Pipe - Elbow	1RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-137								
R-A R1.11	1RC21AA-8/J08 Elbow - Pipe	1RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-138								
R-A R1.11	1RC21AA-8/J09 Pipe - Elbow	1RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-139								
R-A R1.11	1RC21AA-8/J10 Elbow - Pipe	1RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-140								
R-A R1.20	1RC21AA-8/J11 Pipe - Pipe	1RC21AA-8	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-141								
R-A R1.20	1RC22AA-1.5/W-01 Reducer - Coupling	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-059								
R-A R1.20	1RC22AA-1.5/W-02 Coupling - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-060								
R-A R1.20	1RC22AA-1.5/W-03 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-061								
R-A R1.20	1RC22AA-1.5/W-04 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-062								
R-A R1.20	1RC22AA-1.5/W-05 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-063								
R-A R1.20	1RC22AA-1.5/W-06 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-064								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1RC22AA-1.5/W-07 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-065								
R-A R1.20	1RC22AA-1.5/W-08 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-066								
R-A R1.20	1RC22AA-1.5/W-09 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-067								
R-A R1.20	1RC22AA-1.5/W-10 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-068								
R-A R1.20	1RC22AA-1.5/W-11 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-069								
R-A R1.20	1RC22AA-1.5/W-12 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-070								
R-A R1.20	1RC22AA-1.5/W-13.01 Pipe - Valve	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-071								
R-A R1.20	1RC22AA-1.5/W-14.01 Valve - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-072								
R-A R1.20	1RC22AA-1.5/W-15.01 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-073								
R-A R1.20	1RC22AA-1.5/W-16.01 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-074								
R-A R1.20	1RC22AA-1.5/W-17 Pipe - Coupling	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-075								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1RC22AA-1.5/W-18 Coupling - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-076								
R-A R1.20	1RC22AA-1.5/W-19 Pipe - Flange	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-077								
R-A R1.20	1RC22AA-1.5/W-20 Flange - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-078								
R-A R1.20	1RC22AA-1.5/W-21 Pipe - Tee	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-079								
R-A R1.20	1RC22AA-1.5/W-22 Tee - Reducer	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-080								
R-A R1.20	1RC22AA-1.5/W-23 Tee - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-081								
R-A R1.20	1RC22AA-1.5/W-24 Pipe - Tee	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-082								
R-A R1.20	1RC22AA-1.5/W-25 Tee - Reducer	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-083								
R-A R1.20	1RC22AA-1.5/W-26 Tee - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-084								
R-A R1.20	1RC22AA-1.5/W-27 Pipe - Valve	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-085								
R-A R1.20	1RC22AA-1.5/W-28 Valve - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-086								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1RC22AA-1.5/W-29 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-087								
R-A R1.20	1RC22AA-1.5/W-30 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-088								
R-A R1.20	1RC22AA-1.5/W-31 Pipe - Elbow	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-089								
R-A R1.20	1RC22AA-1.5/W-32 Elbow - Pipe	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-090								
R-A R1.20	1RC22AA-1.5/W-33 Pipe - WOL	1RC22AA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-091								
R-A R1.20	1RC24AA-4/J06 Pipe - Elbow	1RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-144								
R-A R1.20	1RC24AA-4/J07 Elbow - Pipe	1RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-145								
R-A R1.20	1RC24AA-4/J09 Pipe - Elbow	1RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-146								
R-A R1.20	1RC24AA-4/J10 Elbow - Pipe	1RC24AA-4	I3R-02	B9.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-147								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.		Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments									
R-A	R1.20	1RH01BA-12/C18 Pipe - Elbow	1RH01BA-12	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-148									
R-A	R1.20	1RH01BA-12/C21 Elbow - Pipe	1RH01BA-12	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-149									
R-A	R1.20	1RH02AA-8/C02 Elbow - Elbow	1RH02AA-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-150									
R-A	R1.20	1RH02AA-8/C06 Elbow - Pipe	1RH02AA-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-151									
R-A	R1.20	1RH02AA-8/C07 Pipe - Elbow	1RH02AA-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-152									
R-A	R1.20	1RH02AA-8/C09 Pipe - Elbow	1RH02AA-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-154									
R-A	R1.20	1RH02AA-8/C10 Elbow - Pipe	1RH02AA-8	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-153									
C-A	C1.10	1RH-02-AB/RHEC-01 Shell - Flange	1RH-02-AB	I3R-13		50 50	VOL VOL	UT UT	GEOM IND
OBS 14-155 ID geometry seen 360° intermittent. Divider plate welds seen. Acceptable planar indications previously reported in B1R08 recorded and no change in size. Ref: RIR B1R14-UT-010.									
C-A	C1.20	1RH-02-AB/RHEC-02 Shell - Head	1RH-02-AB			100 100	VOL	UT UT	GEOM IND
OBS 14-156 ID geometry seen 360° intermittent. Divider plate welds seen. Porosity indications previously reported seen and recorded. Ref: RIR B1R14-UT-011.									
R-A	R1.20	1RH12A-8/C01 Tee - Pipe	1RH12A-8	I3R-02	C5.11 I3T-01 I3T-02	91	VOL-E	UT	NRI
OBS 14-188 Tee to pipe configuration prevented 100% access to weld on upstream side.									

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.		Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments									
R-A	R1.11	1RY18A-2/W-05A Valve - Pipe	1RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-092									
R-A	R1.11	1RY18A-2/W-06 Pipe - Elbow	1RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-093									
R-A	R1.11	1RY18A-2/W-07 Elbow - Pipe	1RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-094									
R-A	R1.11	1RY18A-2/W-08 Pipe - Elbow	1RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-095									
R-A	R1.11	1RY18A-2/W-09 Elbow - Pipe	1RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-096									
R-A	R1.11	1RY18A-2/W-10 Pipe - WOL	1RY18A-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-097									

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Steam Generator (SG)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
B-B B2.40	1RC-01-BB/SGW-01 Tubesheet - Primary Head	1RC-01-BB			100	VOL	UT	NRI
OBS 14-190								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.20	1SI01B-24/C03 Elbow - Pipe	1SI01B-24	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-194								
R-A R1.20	1SI01B-24/C04 Pipe - Pipe	1SI01B-24	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-195								
R-A R1.20	1SI01B-24/C05 Pipe - Elbow	1SI01B-24	I3R-02	C5.11 I3T-01 I3T-02	100	VOL-E	UT	NRI
OBS 14-196								
R-A R1.11	1SI08GC-1.5/W-01 Reducer - Coupling	1SI08GC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-098								
R-A R1.11	1SI08GC-1.5/W-02 Coupling - Pipe	1SI08GC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-099								
R-A R1.11	1SI08GC-1.5/W-03 Pipe - Elbow	1SI08GC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-100								
R-A R1.11	1SI08GC-1.5/W-04 Elbow - Pipe	1SI08GC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-101								
R-A R1.11	1SI08GC-1.5/W-05 Pipe - Reducer	1SI08GC-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-102								
R-A R1.11	1SI08HA-2/W-01 Reducer - Pipe	1SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-103								
R-A R1.11	1SI08HA-2/W-02 Pipe - Flange	1SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-104								
R-A R1.11	1SI08HA-2/W-03 Flange - Pipe	1SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-105								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A R1.11	1SI08HA-2/W-04 Pipe - Reducer	1SI08HA-2	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-106								
R-A R1.11	1SI08JA-1.5/W-06 Pipe - Valve	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-107								
R-A R1.11	1SI08JA-1.5/W-07 Valve - Pipe	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-108								
R-A R1.11	1SI08JA-1.5/W-08 Pipe - Coupling	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-109								
R-A R1.11	1SI08JA-1.5/W-09 Coupling - Pipe	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-110								
R-A R1.11	1SI08JA-1.5/W-10 Pipe - Flange	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-111								
R-A R1.11	1SI08JA-1.5/W-11 Flange - Pipe	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-112								
R-A R1.11	1SI08JA-1.5/W-12 Pipe - Elbow	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-113								
R-A R1.11	1SI08JA-1.5/W-13 Elbow - Pipe	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-114								
R-A R1.11	1SI08JA-1.5/W-14 Pipe - Elbow	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-115								
R-A R1.11	1SI08JA-1.5/W-15 Elbow - Pipe	1SI08JA-1.5	I3R-02	B9.40 I3T-01 I3T-02		VT-2	VT-2	NRI
OBS 14-116								

Detailed Inservice Inspection Weld / Component Listing

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
NA ECCS	1SI09BA-10/J13 Pipe - Elbow	1SI09BA-10			100	VOL	UT	NRI
OBS 14-191								
NA ECCS	1SI09BA-10/J14 Elbow - Pipe	1SI09BA-10			100	VOL	UT	NRI
OBS 14-192								

Detailed Inservice Inspection Bolts, Pumps, and Valves Listing

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	Component ID Description	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
B-G-2	B7.50	1RY03BB-6/FLG 1-12 Piping Flange Bolting	NA	PFB-RY	VT-1	NRI
OBS 14-207 Examination of replaced valve due to maintenance disassembly						
B-M-2	B12.50	1RY8010B/INT SURF Valve Body Interior			VT-3	NRI
OBS 14-208 Examination of replaced valve due to maintenance disassembly						

Detailed Inservice Inspection Bolts, Pumps, and Valves Listing

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID Description	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
B-G-2	B7.70	1SI8818B/BLT 1-16 Valve Studs, Nuts, Bushings, and Washers	NA		VT-1	NRI
OBS 14-209 Examination due to maintenance dissassembly						
B-M-2	B12.50	1SI8818B/INT SURF Valve Body Interior			VT-3	NRI
OBS 14-210 Examination due maintenance disassembly						

Detailed Inservice Inspection Weld / Component Listing (PSI)

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	Component ID / Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
N/A	N/A	1RY01C-4/J01S Reducer - Safe End Overlay	1RY01C-4	I3R-08		100	VOL	UT	NRI
Comments: Baseline exam for full structural weld overlay.									
N/A	N/A	1RY-01-S/PN-01-F1S Surge Nozzle - Safe End Overlay	1RY-01-S	I3R-08			VOL	UT	IND
Comments: Baseline exam of full structural weld overlay. Laminar indications, accepted per B1R14-PN-01-SW1-EVAL-01. 98.57% coverage in circ direction and 97.35% in axial direction.									
N/A	N/A	1RY-01-S/PN-02-F2S Spray Nozzle Safe-End Overlay	1RY-01-S	I3R-08		100	VOL	UT	NRI
Comments: Baseline exam of full structural weld overlay.									
N/A	N/A	1RY-01-S/PN-03-F3S Relief Nozzle Safe-End Overlay	1RY-01-S	I3R-08			VOL VOL	UT UT	IND IND
Comments: Baseline exam for full structural weld overlay. 3 Laminar indications, accept. 3 Planar indications in and out of weld area 2 rejected per B1R14-PN-03-SW3-EVAL-01. Repair exam. 1 Acceptable planar and 3 laminar indications remain outside of repair area. 99.64% coverage in circ direction and 98.29% in axial direction.									
N/A	N/A	1RY-01-S/PN-04-F4S Relief Nozzle Safe-End Overlay	1RY-01-S	I3R-08			VOL VOL	UT UT	IND IND
Comments: Baseline exam for full structural weld overlay. 2 Planar indications in and out of weld area 1 rejected per B1R14-PN-04-SW4-EVAL-01. Repair exam. 1 Laminar and 1 Planar indications in and out of weld area Acceptable per B1R14-PN-04-SW4-EVAL-01-R1. 100% coverage in circ direction and 98.16% in axial direction.									
N/A	N/A	1RY-01-S/PN-05-F5S Relief Nozzle Safe-End Overlay	1RY-01-S	I3R-08		100	VOL	UT	NRI
Comments: Baseline exam for full structural weld overlay.									
N/A	N/A	1RY-01-S/PN-06-F6S Relief Nozzle Safe-End Overlay	1RY-01-S	I3R-08			VOL VOL	UT UT	IND NRI
Comments: Baseline exam for full structural weld overlay. Baseline exam for Nozzle to Safe-End weld. 9 laminar indications, accept. 7 Planar indications rejected per B1R14-PN-06-SW6-EVAL-01. Repair exam. No recordable indications. 97.27% coverage in circ direction and 92.04% in axial direction.									
N/A	N/A	1RY02A-6/J01S Safe End - Elbow Overlay	1RY02A-6	I3R-08		100	VOL	UT	NRI
Comments: Baseline exam for full structural weld overlay.									
N/A	N/A	1RY03AA-6/J01S Safe End - Elbow Overlay	1RY03AA-6	I3R-08		100	VOL	UT	NRI
Comments: Baseline exam for full structural weld overlay.									
N/A	N/A	1RY03AB-6/J01S Safe End - Elbow Overlay	1RY03AB-6	I3R-08		100	VOL	UT	NRI
Comments: Baseline exam for full structural weld overlay.									
N/A	N/A	1RY03AC-6/J01S Safe End - Elbow Overlay	1RY03AC-6	I3R-08			VOL VOL	UT UT	IND NRI
Comments: Baseline exam for full structural weld overlay. 1 assumed planar rejected per B1R14-PN-06-SW6-EVAL-01. Repair exam. No recordable indications. 99.80% coverage in circ direction and 98.83% in axial direction.									
N/A	N/A	1RY11A-14/J01AS Safe End - Pipe Overlay	1RY11A-14	I3R-08			VOL	UT	IND
Comments: Baseline exam of full structural weld overlay. Laminar indications, accepted per B1R14-PN-01-SW1-EVAL-01. 99.29% coverage in circ direction and 98.59% in axial direction.									

Detailed Inservice Inspection Weld / Component Listing (PSI)

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									
NA	NA	1SI18FB-2/W-01.01 Valve - Pipe	1SI18FB-2	I3R-02	B9.40 I3T-01 I3T-02	100	SURF	PT	NRI
Baseline exam for 1SI8819B valve replacement. WO 00908949-14 FW-956.									
NA	NA	1SI18FB-2/W-02.01 Pipe - Elbow	1SI18FB-2	I3R-02	B9.40 I3T-01 I3T-02	100	SURF	PT	NRI
Baseline exam for 1SI8819B valve replacement. WO 00908949-01 FW-1.									
NA	NA	1SI18FC-2/W-01.03 Valve - Pipe	1SI18FC-2	I3R-02	B9.40 I3T-01 I3T-02	100	SURF	PT	NRI
Baseline exam for 1SI8819C valve replacement. WO 00908951-09 FW-3.									
NA	NA	1SI18FC-2/W-02.03 Pipe - Elbow	1SI18FC-2	I3R-02	B9.40 I3T-01 I3T-02	100	SURF	PT	RI
Baseline exam for 1SI8819C valve replacement. WO 00908951-01 FW-1. 1/16" RI, acceptable.									

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
Comments						
B-G-2	B7.50	1RY03BB-6/FLG 1-12 Piping Flange Bolting	NA	PFB-RY	VT-1	NRI
Baseline exam for 1RY8010B replacement						

Exelon

Components / Examinations

Byron Unit 1

B1R14

OUTAGE INSPECTION SUMMARY

SYSTEM: Pressure Tests, All Systems		INTERVAL: Second		PERIOD: Third		
CODE ITEM NUMBER	EXAMINATION ITEM/AREA (NOTE 1)	EXAMINATION TYPE LEAK	FUNCTIONAL	INSERVICE	PNEUMATIC	NOTE
	CLASS 2 COMPONENTS					
C7.30	Piping, Pressure Retaining Boundary					
	Chemical & Volume Control:					
	CV-2-1			X		
	CV-2-2			X		
	Process Sampling:					
	PS-2-1				X	2
	PS-2-2				X	2
	Steam Generator Blowdown					
	SD-2-1			X		
C7.50	Pumps, Pressure Retaining Boundary					
	Chemical & Volume Control:					
	1CV01PA CV-2-1			X		
	1CV01PB CV-2-2			X		
C7.70	Valves, Pressure Retaining Boundary					
	Chemical and Volume Control:					
	CV-2-1			X		
	CV-2-2			X		
	Process Sampling:					
	PS-2-1				X	2
	PS-2-2				X	2
	Steam Generator Blowdown					
	SD-2-1			X		

NOTE 1 Refer to the System Pressure Test Summary for Subsystem Descriptions.

NOTE 2 Pneumatic test is conducted normal operating pressure, and is not a hydro test.

Exelon

Components / Examinations

Byron Unit 1

B1R14

OUTAGE INSPECTION SUMMARY

SYSTEM: Pressure Tests, All Systems		INTERVAL: Third		PERIOD: First		
		EXAMINATION TYPE				
CODE ITEM NUMBER	EXAMINATION ITEM/AREA (NOTE 2)	LEAK	LEAKAGE-NORMAL	LEAKAGE-NOT NORMAL	LEAKAGE-PNEUMATIC	NOTE
	CLASS 1 COMPONENTS					
B15.10	Reactor Vessel Pressure Retaining Boundry	X				1
	CLASS 2 COMPONENTS					
C2.33	Nozzle-to-Shell (or Head) When Inside of Vessel is Inaccessible					
	1RH02AA RH-2-1			X		
	1RH02AB RH-2-2			X		
C7.10	Pressure Retaining Components:					
	Auxiliary Feedwater:					
	AF-2-1			X		
	AF-2-2			X		
	Containment Spray:					
	CS-2-1			X		
	CS-2-2			X		
	Chemical & Volume Control:					
	CV-2-3		X			3
	CV-2-4		X			
	CV-2-5		X			
	CV-2-6		X			
	CV-2-7		X			
	CV-2-8		X			
	CV-2-9		X			
	CV-2-10				X	4
	Fuel Pool Cooling:					
	FC-2-1		X			
	Fire Protection:					
	FP-2-1		X			
	Feedwater:					
	FW-2-1		X			
	FW-2-2		X			
	Main Steam:					
	MS-2-1		X			
	MS-2-2		X			
	Off Gas:					
	OG-2-1			X		
	Primary Containment:					
	PC-2-1				X	

Exelon

Components / Examinations

Byron Unit 1

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OUTAGE INSPECTION SUMMARY

SYSTEM: Pressure Tests, All Systems		INTERVAL: Third		PERIOD: First		
		EXAMINATION TYPE				
CODE ITEM NUMBER	EXAMINATION ITEM/AREA (NOTE 2)	LEAK	LEAKAGE-NORMAL	LEAKAGE-NOT NORMAL	LEAKAGE-PNEUMATIC	NOTE
C7.10	Process Sampling:					
(cont'd)	PS-2-3			X		
	PS-2-4			X		
	PS-2-5			X		
	PS-2-6			X		
	Reactor Coolant:					
	RC-2-1		X			
	Residual Heat Removal:					
	RH-2-1			X		
	RH-2-2			X		
	RH-2-3			X		
	RH-2-4			X		
	RH-2-5			X		
	RH-2-6			X		
	Safety Injection:					
	SI-2-1			X		
	SI-2-2			X		
	SI-2-3			X		
	SI-2-5			X		
	SI-2-6			X		
	SI-2-7			X		
	SI-2-8			X		
	Service Water:					
	SX-2-1		X			
	SX-2-2		X			

NOTE 1	The ASME Class 1 Pressure Boundary Leakage Test (VT-2) was performed on 10/15/06.
NOTE 2	Refer to the System Pressure Test Summary for Subsystem Descriptions.
NOTE 3	The Inservice Inspection (VT-2) of CV-2-3 was performed with the exception of the Chemical Volume Control Positive Displacement Pump (1CV02P) and its associated piping and valves between the suction and discharge manual isolation valves. This Class 2 pump has been indefinitely taken out of service per Byron On-Site reviews 92-088 and 93-006.
NOTE 4	Pneumatic test is conducted normal operating pressure, and is not a hydro test.

Detailed Inservice Inspection Support Listing

SYSTEM: Auxiliary Feedwater System (AF)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.30	1AF02AA-6/1AF01030R RIGID	1AF02AA-6			VT-3	NRI
F-A	F1.30	1AF02AA-6/1AF01032X SEISMIC	1AF02AA-6			VT-3	NRI
F-A	F1.30	1AF02AA-6/1AF01038R RIGID	1AF02AA-6			VT-3	NRI

Detailed Inservice Inspection Support Listing

SYSTEM: Component Cooling System (CC)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.30	1CC01AA-12/1CC01036V VARIABLE	1CC01AA-12			VT-3	NRI
F-A	F1.30	1CC01AA-12/1CC01053X SEISMIC	1CC01AA-12			VT-3	NRI
F-A	F1.30	1CC01B-16/1CC01008X SEISMIC	1CC01B-16			VT-3	NRI
F-A	F1.30	1CC01C-16/1CC01002X SEISMIC	1CC01C-16			VT-3	NRI
F-A	F1.30	1CC01C-16/1CC01003R RIGID	1CC01C-16			VT-3	NRI
F-A	F1.30	1CC01C-16/1CC01004X SEISMIC	1CC01C-16			VT-3	NRI
F-A	F1.30	1CC02CA-12/1CC02018X SEISMIC	1CC02CA-12			VT-3	NRI
F-A	F1.30	1CC02CB-12/1CC02014R RIGID	1CC02CB-12			VT-3	NRI
F-A	F1.30	1CC02CB-12/1CC02015X SEISMIC	1CC02CB-12			VT-3	NRI
F-A	F1.30	1CC02CB-12/1CC02016R RIGID	1CC02CB-12			VT-3	NRI

Detailed Inservice Inspection Support Listing

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.20	1CV05B-8/1CV08029R RIGID	1CV05B-8			VT-3	NRI
F-A	F1.10	1CV45B-2/1CV22004X SEISMIC	1CV45B-2			VT-3	NRI
F-A	F1.10	1CV45B-2/1CV22008X SEISMIC	1CV45B-2			VT-3	NRI
F-A	F1.10	1CVA3B-2/1CV09004R RIGID	1CVA3B-2			VT-3	NRI
F-A	F1.10	1CVA3B-2/1CV09016X SEISMIC	1CVA3B-2			VT-3	NRI
F-A	F1.10	1CVA3B-2/1CV11021X SEISMIC	1CVA3B-2			VT-3	NRI
F-A	F1.10	1CVA3B-2/1CV25019X SEISMIC	1CVA3B-2			VT-3	NRI
F-A	F1.10	1CVA3B-2/1CV25025X SEISMIC	1CVA3B-2			VT-3	NRI
F-A	F1.10	1CVA3B-2/1CV25049A ANCHOR	1CVA3B-2			VT-3	NRI

Detailed Inservice Inspection Support Listing

SYSTEM: Diesel Generator System (DG)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.40	1DG01KA-X/S DG JW COOLER A SUPPORT	1DG01KA-X			VT-3	NRI

Detailed Inservice Inspection Support Listing

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	1RC14AB-2/1CV15050V VARIABLE	1RC14AB-2			VT-3	NRI
F-A	F1.10	1RC16AA-2/1CV12004V VARIABLE	1RC16AA-2			VT-3	NRI
F-A	F1.10	1RC21BA-8/1RC01005V VARIABLE	1RC21BA-8			VT-3	NRI
F-A	F1.10	1RC24AA-4/1RY06115X SEISMIC	1RC24AA-4			VT-3	NRI

Detailed Inservice Inspection Support Listing

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	1RH01AA-12/1RH02076X SEISMIC	1RH01AA-12			VT-3	NRI
F-A	F1.20	1RH01BA-12/1SI06072X SEISMIC	1RH01BA-12			VT-3	NRI

Detailed Inservice Inspection Support Listing

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.20	1SI02BA-6/1SI18043X SEISMIC	1SI02BA-6			VT-3	NRI
F-A	F1.10	1SI03DA-2/1SI11009X SEISMIC	1SI03DA-2			VT-3	NRI
F-A	F1.10	1SI03DA-2/1SI11016X SEISMIC	1SI03DA-2			VT-3	NRI
F-A	F1.20	1SI05CA-8/1SI01026X SEISMIC	1SI05CA-8			VT-3	NRI
F-A	F1.20	1SI05CA-8/1SI02001X SEISMIC	1SI05CA-8			VT-3	NRI
F-A	F1.10	1SI05DA-6/1SI01017X SEISMIC	1SI05DA-6			VT-3	NRI
F-A	F1.10	1SI05DA-6/1SI01024V VARIABLE	1SI05DA-6			VT-3	NRI
F-A	F1.10	1SI05DA-6/1SI01072X SEISMIC	1SI05DA-6			VT-3	NRI
F-A	F1.10	1SI05DA-6/1SI01073X SEISMIC	1SI05DA-6			VT-3	NRI
F-A	F1.20	1SI06BB-24/1SI06042V VARIABLE	1SI06BB-24			VT-3	NRI
F-A	F1.10	1SI08GB-1-1/2/1SI25005X SEISMIC	1SI08GB-1-1/2			VT-3	NRI
F-A	F1.10	1SI08GB-1-1/2/1SI25006X SEISMIC	1SI08GB-1-1/2			VT-3	NRI
F-A	F1.10	1SI08HA-2/1SI25015X SEISMIC	1SI08HA-2			VT-3	NRI
F-A	F1.10	1SI08JA-1-1/2/1SI24003X SEISMIC	1SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	1SI08JA-1-1/2/1SI24005X SEISMIC	1SI08JA-1-1/2			VT-3	NRI
F-A	F1.10	1SI08JA-1-1/2/1SI24014X SEISMIC	1SI08JA-1-1/2			VT-3	NRI

Detailed Inservice Inspection Support Listing

SYSTEM: Essential Service Water System (SX)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.30	1SX03A-30/1SX02039R RIGID	1SX03A-30			VT-3	NRI
F-A	F1.20	1SX06CA-14/1SX06003X SEISMIC	1SX06CA-14			VT-3	NRI
F-A	F1.20	1SX06CA-14/1SX06004X SEISMIC	1SX06CA-14			VT-3	NRI
F-A	F1.20	1SX06EA-10/1SX06014X SEISMIC	1SX06EA-10			VT-3	NRI
F-A	F1.20	1SX06EC-10/1SX06023A ANCHOR	1SX06EC-10			VT-3	NRI
F-A	F1.20	1SX07FA-16/1SX08001R RIGID	1SX07FA-16			VT-3	NRI
F-A	F1.30	1SX07GA-16/1SX05003R RIGID	1SX07GA-16			VT-3	NRI
F-A	F1.20	1SX08AD-10/1SX07024V VARIABLE	1SX08AD-10			VT-3	NRI

Exelon

Byron Station Unit 1
Byron Station Outage B1R14

Snubber Outage Summary

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SYSTEM: Boric Acid Processing System (AB)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
NA	NA	0ABE2AA-4/1AB18011S SNUBBER	0ABE2AA-4		SR	VT-3	NRI
NA	NA	1ABJ3AB-4/1AB18040S SNUBBER	1ABJ3AB-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: Component Cooling System (CC)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
NA	NA	1CC38FB-3/1CC36028S SNUBBER	1CC38FB-3		SR	VT-3	NRI
NA	NA	1CC38FB-3/1CC36030S SNUBBER	1CC38FB-3		SR	VT-3 FT	NRI PASS
NA	NA	1CC38FD-3/1CC38008S SNUBBER	1CC38FD-3		SR	VT-3	NRI
NA	NA	1CC38FD-3/1CC38009S SNUBBER	1CC38FD-3		SR	VT-3	NRI
NA	NA	1CC39CB-2/1CC36011S SNUBBER	1CC39CB-2		SR	VT-3	NRI
NA	NA	1CC39CD-2/1CC38002S SNUBBER	1CC39CD-2		SR	VT-3	NRI
NA	NA	1CC39CD-2/1CC38011S SNUBBER	1CC39CD-2		SR	VT-3 FT	NRI PASS
NA	NA	1CC40AC-3/4/1CC37014S SNUBBER	1CC40AC-3/4		SR	VT-3 FT	NRI PASS
NA	NA	1CC40AD-3/4/1CC38005S SNUBBER	1CC40AD-3/4		SR	VT-3	NRI
NA	NA	1CC40AD-3/4/1CC38006S SNUBBER	1CC40AD-3/4		SR	VT-3	NRI
NA	NA	1CC50AC-3/1CC31021S SNUBBER	1CC50AC-3		SR	VT-3	NRI
NA	NA	1CC50B-3/1CC24013S SNUBBER	1CC50B-3		SR	VT-3 FT	NRI PASS
NA	NA	1CC54AC-2/1CC32001S SNUBBER	1CC54AC-2		SR	VT-3	NRI
NA	NA	1CC54AC-2/1CC32002S SNUBBER	1CC54AC-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: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.20	1CV05CB-6/1CV08006S SNUBBER	1CV05CB-6		SR	VT-3 FT	NRI PASS
F-A	F1.20	1CV05CB-6/1CV08010S SNUBBER	1CV05CB-6		SR	VT-3 FT	NRI PASS
NA	NA	1CV15AB-3/4/1CV28002S SNUBBER	1CV15AB-3/4		SR	VT-3	NRI
F-A	F1.10	1CV45B-2/1RY06124S SNUBBER	1CV45B-2		SR	VT-3 FT	NRI PASS
F-A	F1.10	1CVA5AA-2/1CV15054S SNUBBER	1CVA5AA-2		SR	VT-3	NRI
F-A	F1.10	1CVA6AA-2/1CV09063S SNUBBER	1CVA6AA-2		SR	VT-3	NRI
F-A	F1.10	1CVA7AA-2/1CV25011S SNUBBER	1CVA7AA-2		SR	VT-3	NRI
F-A	F1.10	1CVA7AA-2/1CV25014S SNUBBER	1CVA7AA-2		SR	VT-3	NRI
F-A	F1.10	1CVA7AA-2/1CV25016S SNUBBER	1CVA7AA-2		SR	VT-3	NRI
NA	SNUB	1RC14AB-2/1CV15039-S1 SNUBBER	1RC14AB-2		SR	VT-3	NRI
NA	SNUB	1RC14AB-2/1CV15039-S2 SNUBBER	1RC14AB-2		SR	VT-3	NRI
NA	SNUB	1RC14AC-2/1CV09061-S1 SNUBBER	1RC14AC-2		SR	VT-3	NRI
NA	SNUB	1RC14AC-2/1CV09061-S2 SNUBBER	1RC14AC-2		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: Main Steam System (MS)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
NA	SNUB	1MS01AD-30.25/1MS08007-S1 SNUBBER	1MS01AD-30.25		SR	VT-3 FT	NRI PASS
NA	SNUB	1MS01AD-30.25/1MS08007-S2 SNUBBER	1MS01AD-30.25		SR	VT-3 FT	NRI PASS
NA	SNUB	1MS07AB-28/1MS01092-S1 SNUBBER	1MS07AB-28		SR	VT-3 FT	NRI PASS
NA	SNUB	1MS07AB-28/1MS01092-S2 SNUBBER	1MS07AB-28		SR	VT-3 FT	NRI PASS
NA	SNUB	1MS07BA-28/1MS01074-S1 SNUBBER	1MS07BA-28		SR	VT-3 FT	NRI PASS
NA	SNUB	1MS07BA-28/1MS01074-S2 SNUBBER	1MS07BA-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	ISI Identifier / Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.40	1RC01BA-1A/1RC06S SNUBBER	1RC01BA-1A		 SR	VT-3 VT-3	NRI NRI
F-A	F1.40	1RC01BA-1A/1RC07S SNUBBER	1RC01BA-1A		 SR	VT-3 FT	NRI PASS
F-A	F1.40	1RC01BB-1B/1RC08S SNUBBER	1RC01BB-1B		 SR	VT-3 VT-3	NRI NRI
F-A	F1.40	1RC01BB-1B/1RC09S SNUBBER	1RC01BB-1B		 SR	VT-3 VT-3	NRI NRI
F-A	F1.40	1RC01BC-1C/1RC10S SNUBBER	1RC01BC-1C		 SR	VT-3 VT-3	NRI NRI
F-A	F1.40	1RC01BC-1C/1RC11S SNUBBER	1RC01BC-1C		 SR	VT-3 VT-3	NRI NRI
F-A	F1.40	1RC01BD-1D/1RC12S SNUBBER	1RC01BD-1D		 SR	VT-3 VT-3	NRI NRI
F-A	F1.40	1RC01BD-1D/1RC13S SNUBBER	1RC01BD-1D		 SR	VT-3 VT-3	NRI NRI
NA	NA	1RC08AB-3/4/1RC17025S SNUBBER	1RC08AB-3/4		 SR	VT-3	NRI
F-A	F1.10	1RC14AB-2/1CV15014S SNUBBER	1RC14AB-2		 SR	VT-3	NRI
F-A	F1.10	1RC14AB-2/1CV15040S SNUBBER	1RC14AB-2		 SR	VT-3	NRI
NA	SNUB	1RC14AB-2/1CV15041-S1 SNUBBER	1RC14AB-2		 SR	VT-3 FT	NRI PASS
NA	SNUB	1RC14AB-2/1CV15041-S2 SNUBBER	1RC14AB-2		 SR	VT-3 FT	NRI PASS
F-A	F1.10	1RC14AB-2/1CV15053S SNUBBER	1RC14AB-2		 SR	VT-3	NRI
F-A	F1.10	1RC14AC-2/1CV09066S SNUBBER	1RC14AC-2		 SR	VT-3	NRI
F-A	F1.10	1RC14AC-2/1CV09067S SNUBBER	1RC14AC-2		 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 (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	1RC14AC-2/1CV09068S SNUBBER	1RC14AC-2		SR	VT-3	NRI
F-A	F1.10	1RC14AC-2/1CV09069S SNUBBER	1RC14AC-2		SR	VT-3	NRI
NA	NA	1RC20AB-3/4/1RC17012S SNUBBER	1RC20AB-3/4		SR	VT-3	NRI
F-A	F1.10	1RC22AB-1.5/1RC17003S SNUBBER	1RC22AB-1.5		SR	VT-3	NRI
F-A	F1.10	1RC22AB-1.5/1RC17015S SNUBBER	1RC22AB-1.5		SR	VT-3	NRI
F-A	F1.10	1RC22AB-1.5/1RC17028S SNUBBER	1RC22AB-1.5		SR	VT-3	NRI
F-A	F1.10	1RC22AD-1.5/1RC19007S SNUBBER	1RC22AD-1.5		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: Residual Heat Removal System (RH)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	1RH01AA-12/1RH02054S SNUBBER	1RH01AA-12		SR	VT-3	NRI
F-A	F1.20	1RH02AB-8/1RH08015S SNUBBER	1RH02AB-8		SR	VT-3	NRI
NA	NA	1RH26AA-3/4/1RH02112S SNUBBER	1RH26AA-3/4		SR	VT-3 FT	NRI PASS
NA	NA	1RH26AB-3/4/1RH02102S SNUBBER	1RH26AB-3/4		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 (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.10	1RY01AA-4/1RY06066S SNUBBER	1RY01AA-4		SR	VT-3	NRI
F-A	F1.10	1RY01B-6/1RY06022S SNUBBER	1RY01B-6		SR	VT-3	NRI
F-A	F1.10	1RY01B-6/1RY06025S SNUBBER	1RY01B-6		SR	VT-3	NRI
F-A	F1.10	1RY01B-6/1RY06026S SNUBBER	1RY01B-6		SR	VT-3	NRI
F-A	F1.10	1RY01B-6/1RY06027S SNUBBER	1RY01B-6		SR	VT-3	NRI
F-A	F1.10	1RY01B-6/1RY06030S SNUBBER	1RY01B-6		SR	VT-3	NRI
F-A	F1.10	1RY01B-6/1RY06031S SNUBBER	1RY01B-6		SR	VT-3 FT	NRI PASS
F-A	F1.10	1RY02B-3/1RY09077S SNUBBER	1RY02B-3		SR	VT-3	NRI
NA	SNUB	1RY06B-3/1RY09078-S1 SNUBBER	1RY06B-3		SR	VT-3	NRI
NA	SNUB	1RY06B-3/1RY09078-S2 SNUBBER	1RY06B-3		SR	VT-3	NRI
F-A	F1.10	1RY18A-2/1RY06097S SNUBBER	1RY18A-2		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: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Comments							
F-A	F1.20	1SI05CA-8/1SI01025S SNUBBER	1SI05CA-8		SR	VT-3	NRI
F-A	F1.20	1SI05CA-8/1SI02003S SNUBBER	1SI05CA-8		SR	VT-3	NRI
F-A	F1.20	1SI05CA-8/1SI03003S SNUBBER	1SI05CA-8		SR	VT-3	NRI
F-A	F1.20	1SI05CB-8/1SI04024S SNUBBER	1SI05CB-8		SR	VT-3	NRI
F-A	F1.20	1SI05CB-8/1SI09006S SNUBBER	1SI05CB-8		SR	VT-3	NRI
F-A	F1.20	1SI05CB-8/1SI09043S SNUBBER	1SI05CB-8		SR	VT-3	NRI

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

Section 30
Status

(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 1 AND UNIT COMMON - 3RD INTERVAL ASME SECTION XI EXAMINATION STATUS REPORT

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

CATEGORY B-A NON-DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-A	B1.30	1	1	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-A	B1.40	1	1	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**2**	**2**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

CATEGORY B-A DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	%	% Exams Completed Period 1	Period 2	Period 3
B-A	B1.11	3	3	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-A	B1.21	2	2	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**5**	**5**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

CATEGORY B-B NON-DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-B	B2.11	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-B	B2.12	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-B	B2.40	4	1	0	1	1	1	0	1	0	25.00%	100.00%	100.00%	100.00%
	Totals:	**8**	**5**	**1**	**1**	**2**	**2**	**0**	**2**	**0**	**62.50%**	**20.00%**	**20.00%**	**20.00%**

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

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-D	B3.110	6	6	1	5	3	-2	0	-1	0	100.00%	83.33%	83.33%	83.33%
B-D	B3.120	6	6	1	5	3	-2	0	-1	0	100.00%	83.33%	83.33%	83.33%
B-D	B3.140	8	8	2	0	4	4	0	6	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**20**	**20**	**4**	**10**	**10**	**0**	**0**	**5**	**0**	**100.00%**	**50.00%**	**50.00%**	**50.00%**

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, and requires that a visual examination with enhanced magnification may be performed on the inside radius section in place of an ultrasonic examination.

(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 1 AND UNIT COMMON - 3RD INTERVAL
ASME SECTION XI EXAMINATION STATUS REPORT

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

CATEGORY B-D DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-D	B3.90	8	8	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-D	B3.100	8	8	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**16**	**16**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

1. (B3.100) This Item Number requires a visual examination with enhanced magnification in lieu of volumetric examination, as allowed by Code Case N-648-1.

2. (B3.90 & B3.100) 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.

CATEGORY B-G-1 DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-G-1	B6.10	3	3	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.20	3	3	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.40	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.50	3	3	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.90	8	8	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.100	8	8	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.110	8	8	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.170	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-G-1	B6.180	4	1	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B-G-1	B6.190	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-1	B6.200	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-1	B6.210	8	2	N/A	0	N/A	N/A	0	N/A	0	25.00%	0.00%	0.00%	0.00%
B-G-1	B6.220	8	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-1	B6.230	8	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
	Totals:	**71**	**38**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**53.52%**	**0.00%**	**0.00%**	**0.00%**

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.

2. (B6.40) A single component scheduled the first inspection period, representing all of the 54 Reactor Vessel Threads in Flange to be examined.

3. (B6.90 & B6.100 & B6.110) 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 Steam Generator Manways. Each of the eight entries represents 20 bolts and associated parts for an individual manway.

4. (B6.170) A single component represents the five sets of CETC column nuts.

5. (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.

6. (B6.190 & B6.200) Four components are tracked in the database, each representing all 24 associated Flange Surfaces and Nuts, Bushings, and Washers for one of the four Reactor Coolant Pumps (96 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.

7. (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.

8. (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

		# of	Total	# Exams Completed								% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
B-G-2	B7.10	2	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-2	B7.20	1	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-2	B7.50	20	1	N/A	1	N/A	N/A	0	N/A	0	5.00%	100.00%	100.00%	100.00%
B-G-2	B7.60	4	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
B-G-2	B7.70	26	1	N/A	1	N/A	N/A	0	N/A	0	3.85%	100.00%	100.00%	100.00%
	Totals:	**53**	**2**	**N/A**	**2**	**N/A**	**N/A**	**0**	**N/A**	**0**	**3.77%**	**100.00%**	**100.00%**	**100.00%**

1. (B7.10) Two components representing the CETC and RVLIS Clamp Bolts and associated Nuts as reported in the ISI Program Plan.

2. (B7.20) A single component is scheduled in the first inspection period, representing all 16 Pressurizer Manway Bolts and associated Nuts as reported in the ISI Program Plan.

3. (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.

4. (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.

5. (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 1 AND UNIT COMMON - 3RD INTERVAL
ASME SECTION XI EXAMINATION STATUS REPORT

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

CATEGORY B-K NON-DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-K	B10.10	2	2	0	0	1	1	0	1	0	100.00%	0.00%	0.00%	0.00%
B-K	B10.20	7	3	1	0	1	2	0	2	0	42.86%	0.00%	0.00%	0.00%
	Totals:	**9**	**5**	**1**	**0**	**2**	**3**	**0**	**3**	**0**	**55.56%**	**0.00%**	**0.00%**	**0.00%**

1. (B10.10) Per Examination Category B-K, 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. (B10.20 & B10.30) 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 Class 1 welded attachments shall be examined. The interpretation is consistent with the previous NRC condition on the use of Code Case N-509.

CATEGORY B-L-2 DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-L-2	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. (B12.20) 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.

CATEGORY B-M-2 DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-M-2	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. (B12.50) 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.

(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 1 AND UNIT COMMON - 3RD INTERVAL
ASME SECTION XI EXAMINATION STATUS REPORT

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

CATEGORY B-N-1 NON-DEFERRED EXAMS

		# of	Total	# Exams Completed							% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
B-N-1	B13.10	2	1	0	0	1	1	0	1	0	50.00%	0.00%	0.00%	0.00%
	Totals:	**2**	**1**	**0**	**0**	**1**	**1**	**0**	**1**	**0**	**50.00%**	**0.00%**	**0.00%**	**0.00%**

1. (B13.10) "% Selected" exceeds 100% since the vessel interior is selected for examination twice each period (six times during the interval). The two ASME Section XI exams per period consist of a vessel cavity exam and vessel head exam.

CATEGORY B-N-2 DEFERRED EXAMS

		# of	Total	# Exams Completed							% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
B-N-2	B13.50	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
B-N-2	B13.60	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**2**	**2**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

CATEGORY B-N-3 DEFERRED EXAMS

		# of	Total	# Exams Completed							% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
B-N-3	B13.70	1	1	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**1**	**1**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

CATEGORY B-O DEFERRED EXAMS

		# of	Total	# Exams Completed							% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
B-O	B14.10	5	5	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**5**	**5**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

1. (B14.10) 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 5 components represent that 10% population.

(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 1 AND UNIT COMMON - 3RD INTERVAL ASME SECTION XI EXAMINATION STATUS REPORT

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

CATEGORY B-P NON-DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
B-P	B15.10	5	5	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**5**	**5**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

1. (B15.10) "% selected" exceeds 100% since Class 1 pressure tests are performed each refueling outage.

2. (B15.10) Five components representing the five systems in Class 1 as reported in the ISI Program Plan.

CATEGORY C-A NON-DEFERRED EXAMS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
C-A	C1.10	6	2	0	1	1	1	0	1	0	33.33%	50.00%	50.00%	50.00%
C-A	C1.20	6	2	0	1	1	1	0	1	0	33.33%	50.00%	50.00%	50.00%
C-A	C1.30	4	1	0	0	1	1	0	1	0	25.00%	0.00%	0.00%	0.00%
	Totals:	**16**	**5**	**1**	**2**	**2**	**1**	**0**	**1**	**0**	**31.25%**	**40.00%**	**40.00%**	**40.00%**

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

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
C-B	C2.21	12	5	1	0	2	3	0	3	0	41.67%	0.00%	0.00%	0.00%
C-B	C2.22	8	1	0	0	1	1	0	1	0	12.50%	0.00%	0.00%	0.00%
	Totals:	**20**	**6**	**1**	**0**	**3**	**3**	**0**	**4**	**0**	**30.00%**	**0.00%**	**0.00%**	**0.00%**

1. (C2.21 & C2.22) 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. (C2.22) Due to the unique configuration of the heat exchanger nozzle reinforcing pads being on the internal surface, the nozzle inner radius section is inaccessible for examination. (See Relief Request I3R-04).

(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 1 AND UNIT COMMON - 3RD INTERVAL
ASME SECTION XI EXAMINATION STATUS REPORT

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

CATEGORY C-C NON-DEFERRED EXAMS

		# of	Total	# Exams Completed							% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
C-C	C3.10	2	1	0	0	1	1	0	1	0	50.00%	0.00%	0.00%	0.00%
C-C	C3.20	61	7	2	0	3	4	0	5	0	11.48%	0.00%	0.00%	0.00%
C-C	C3.30	20	2	0	0	1	1	0	1	0	10.00%	0.00%	0.00%	0.00%
	Totals:	**83**	**10**	**2**	**0**	**5**	**5**	**0**	**7**	**0**	**12.05%**	**0.00%**	**0.00%**	**0.00%**

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. The interpretation is consistent with the previous NRC condition on the use of Code Case N-509.

CATEGORY C-H NON-DEFERRED EXAMS

		# of	Total	# Exams Completed							% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
C-H	C7.10	29	29	N/A	0	N/A	N/A	0	N/A	0	100.00%	0.00%	0.00%	0.00%
	Totals:	**29**	**29**	**N/A**	**0**	**N/A**	**N/A**	**0**	**N/A**	**0**	**100.00%**	**0.00%**	**0.00%**	**0.00%**

1. (C7.10) "% selected" exceeds 100% since Class 2 pressure tests are performed each inspection period.

2. (C7.10) Twenty-nine components representing the twenty-nine systems in Class 2 as reported in the ISI Program Plan.

CATEGORY F-A NON-DEFERRED EXAMS

		# of	Total	# Exams Completed							% Exams Completed		
Cat.	Item No.	Comp	Selected	min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
F-A	F1.10	467	122	20	26	61	35	0	65	0	26.12%	21.31%	21.31%	21.31%
F-A	F1.20	598	99	16	13	49	37	0	61	0	16.56%	13.13%	13.13%	13.13%
F-A	F1.30	1005	103	17	15	51	37	0	62	0	10.25%	14.56%	14.56%	14.56%
F-A	F1.40	74	38	7	1	19	18	0	27	0	51.35%	2.63%	2.63%	2.63%
	Totals:	**2144**	**362**	**58**	**55**	**181**	**126**	**0**	**216**	**0**	**16.88%**	**15.19%**	**15.19%**	**15.19%**

1. (F1.30 & F1.40) Unit 0 (Common) components are scheduled with and included in the Unit 1 counts.

2. (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.

(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 1 AND UNIT COMMON - 3RD INTERVAL ASME SECTION XI EXAMINATION STATUS REPORT

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

CATEGORY R-A NON-SOCKET WELDS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
R-A	1	127	32	6	10	16	6	0	14	0	25.20%	31.25%	31.25%	31.25%
R-A	2	134	36	6	4	18	14	0	23	0	26.87%	11.11%	11.11%	11.11%
R-A	4	1400	143	23	47	71	25	0	60	0	10.21%	32.87%	32.87%	32.87%
R-A	5	65	10	2	0	5	5	0	7	0	15.38%	0.00%	0.00%	0.00%
	Totals:	**1726**	**221**	**36**	**61**	**110**	**50**	**0**	**104**	**0**	**12.80%**	**27.60%**	**27.60%**	**27.60%**

1. (BER Welds) The # of Comp and # Selected include all BER welds which have been integrated into the RISI Program and are selected in accordance with the Risk Informed BER methodology.

CATEGORY R-A SOCKET WELDS

Cat.	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Selected	% Exams Completed Period 1	Period 2	Period 3
R-A	2	93	38	N/A	38	N/A	N/A	0	N/A	0	40.86%	100.00%	100.00%	100.00%
R-A	4	188	44	N/A	44	N/A	N/A	0	N/A	0	23.40%	100.00%	100.00%	100.00%
R-A	5	345	34	N/A	34	N/A	N/A	0	N/A	0	9.86%	100.00%	100.00%	100.00%
	Totals:	**626**	**116**	**N/A**	**116**	**N/A**	**N/A**	**0**	**N/A**	**0**	**18.53%**	**100.00%**	**100.00%**	**100.00%**

1. (Socket Welds) Socket welds for Examination Category R-A piping structural elements are listed separately from butt welds due to the fact that socket welds are selected for examination in "each" refueling outage. Including socket welds in the # of Comp, Total Selected, and # Selected fields with the butt welds would misrepresent the % Selected distributions for the remainder of the Examination Category. However, socket welds are listed with the butt welds for Examination Category R-A exam selections in the "Ten Year Interval Schedule and Examination Status" report that follows.

2. (Socket Welds) For R-A socket welds, "% Selected" exceeds 100% since they are examined each outage.

3. (Socket Welds) Byron Unit 1 has 626 socket welds that fall within the scope of the RISI Program and 116 were selected to be examined. Socket welds that were selected for examination under the RISI program will be inspected with a VT-2 exam "each" refueling outage per ASME Code Case N-578-1, Table 1, footnote 12.

Section 4.0
Form NIS - 1

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:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1CS02AA-10/C01	Hunter Corp.	1-CS-2-N5	NA	NA
1CS02AA-10/C65	Hunter Corp.	1-CS-2-N5	NA	NA
1CS02AA-10/C88	Hunter Corp.	1-CS-2-N5	NA	NA
1CS06AA-6/C07	Hunter Corp.	1-CS-2-N5	NA	NA
1CS06AA-6/C08	Hunter Corp.	1-CS-2-N5	NA	NA
1CS06AB-6/C05	Hunter Corp.	1-CS-2-N5	NA	NA
1CS06AB-6/C06	Hunter Corp.	1-CS-2-N5	NA	NA
1CS10AA-6/C06	Hunter Corp.	1-CS-2-N5	NA	NA
1CS10AA-6/C20	Hunter Corp.	1-CS-2-N5	NA	NA

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:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1RC14AB-2/1CV15039-S1	Pacific Scientific	23835	NA	NA
1RC14AB-2/1CV15039-S2	Pacific Scientific	7345	NA	NA
1RC14AC-2/1CV09061-S1	Pacific Scientific	13545	NA	NA
1RC14AC-2/1CV09061-S2	Pacific Scientific	13599	NA	NA

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:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
CLASS 1 CV PIPING - LEAKAGE	Hunter Corp.	NA	NA	NA

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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:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1CV05B-8/1CV08029R	Hunter Corp.	N/A	N/A	N/A
1CV45B-2/1CV22004X	Hunter Corp.	N/A	N/A	N/A
1CV45B-2/1CV22008X	Hunter Corp.	N/A	N/A	N/A
1CVA3B-2/1CV09004R	Hunter Corp.	N/A	N/A	N/A
1CVA3B-2/1CV09016X	Hunter Corp.	N/A	N/A	N/A
1CVA3B-2/1CV11021X	Hunter Corp.	N/A	N/A	N/A
1CVA3B-2/1CV25019X	Hunter Corp.	N/A	N/A	N/A
1CVA3B-2/1CV25025X	Hunter Corp.	N/A	N/A	N/A
1CVA3B-2/1CV25049A	Hunter Corp.	N/A	N/A	N/A

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3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (If required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1CV05B-8/C24	Hunter Corp.	NA	NA	NA
1CV05B-8/C25	Hunter Corp.	NA	NA	NA
1CV05B-8/C26	Hunter Corp.	NA	NA	NA
1CV08AA-4/C03	Hunter Corp.	NA	NA	NA
1CV08AA-4/C17	Hunter Corp.	NA	NA	NA
1CV08BA-4/C09	Hunter Corp.	NA	NA	NA
1CV08BA-4/C21	Hunter Corp.	NA	NA	NA
1CV09A-4/C02	Hunter Corp.	NA	NA	NA
1CV09A-4/C03	Hunter Corp.	NA	NA	NA
1CV09A-4/C07	Hunter Corp.	NA	NA	NA
1CVA1A-6/C02	Hunter Corp.	NA	NA	NA
1CVA3AA-2/W-06	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA3AA-2/W-07	Hunter Corp.	1-CV-1-N5	NA	NA

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5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1CVA3B-2/W-74	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA3B-2/W-75	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA3B-2/W-76	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA3B-2/W-77	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA3B-2/W-84	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA3B-2/W-85	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA5AA-2/W-04	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA5AA-2/W-05	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA6AA-2/W-04	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA6AA-2/W-05	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA7AA-2/W-08	Hunter Corp.	1-CV-1-N5	NA	NA
1CVA7AA-2/W-09	Hunter Corp.	1-CV-1-N5	NA	NA

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3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1CV05CB-6/1CV08006S	Pacific Scientific	17048	NA	NA
1CV05CB-6/1CV08010S	Pacific Scientific	2129	NA	NA
1CV05CB-6/1CV08010S	Pacific Scientific	2129	NA	NA
1CV15AB-3/4/1CV28002S	Pacific Scientific	33927	NA	NA
1CV45B-2/1RY06124S	Pacific Scientific	8030	NA	NA
1CVA5AA-2/1CV15054S	Pacific Scientific	22192	NA	NA
1CVA5AA-2/1CV15054S	Pacific Scientific	22192	NA	NA
1CVA6AA-2/1CV09063S	Pacific Scientific	8078	NA	NA
1CVA6AA-2/1CV09063S	Pacific Scientific	8078	NA	NA
1CVA7AA-2/1CV25011S	Pacific Scientific	8846	NA	NA
1CVA7AA-2/1CV25014S	Pacific Scientific	8813	NA	NA
1CVA7AA-2/1CV25016S	Pacific Scientific	8810	NA	NA
1CVA7AA-2/1CV25016S	Pacific Scientific	8810	NA	NA

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(Name and Address of Plant)

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
1FW03DA-16/C01	Hunter Corp.	1-FW-1-N5	NA	NA
1FW03DA-16/C02	Hunter Corp.	1-FW-1-N5	NA	NA
1FW03DD-16/C14	Hunter Corp.	1-FW-1-N5	NA	NA
1FW03DD-16/C15	Hunter Corp.	1-FW-1-N5	NA	NA
1FW03DD-16/C16	Hunter Corp.	1-FW-1-N5	NA	NA
1FW03DD-16/C17	Hunter Corp.	1-FW-1-N5	NA	NA
1FW03DD-16/C19.01	Bechtel Power Corp.	1-FW-1-N5	NA	NA
1FW03DD-16/C20.01	Bechtel Power Corp.	1-FW-1-N5	NA	NA
1FW87CA-6/C07A	W. A. Pope Corp.	1-FW-1-N5	NA	NA
1FW87CA-6/C08A	W. A. Pope Corp.	1-FW-1-N5	NA	NA

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(Name and Address of Plant)

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1MS07AB-28/1MS01092-S1	Pacific Scientific	10027	NA	NA
1MS07AB-28/1MS01092-S2	Pacific Scientific	7010	NA	NA
1MS07BA-28/1MS01074-S1	Pacific Scientific	8051	NA	NA
1MS07BA-28/1MS01074-S2	Pacific Scientific	6413	NA	NA

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3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1MS01AD-30.25/1MS08007S	Pacific Scientific	N/A	N/A	N/A

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(Name and Address of Plant)

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1MS01AB-32.75/C01.01	Bechtel Power Corp.	1-MS-1-N5	NA	NA
1MS01AB-32.75/C01A	Bechtel Power Corp.	1-MS-1-N5	NA	NA
1MS01CD-30.25/C01	Hunter Corp.	1-MS-1-N5	NA	NA
1MS07AB-28/C08	Hunter Corp.	1-MS-1-N5	NA	NA
1MS07BB-28/C01	Hunter Corp.	1-MS-1-N5	NA	NA
1MS07BB-28/C12	Hunter Corp.	1-MS-1-N5	NA	NA
1MS13AA-8/C08	Hunter Corp.	1-MS-1-N5	NA	NA
1MS13AA-8/C09	Hunter Corp.	1-MS-1-N5	NA	NA
1MS13AA-8/C10	Hunter Corp.	1-MS-1-N5	NA	NA
1MS13AA-8/C11	Hunter Corp.	1-MS-1-N5	NA	NA
1MS13AA-8/C12	Hunter Corp.	1-MS-1-N5	NA	NA

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3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1MS01AD-30.25/1MS08007-S1	Pacific Scientific	10507	NA	NA
1MS01AD-30.25/1MS08007-S2	Pacific Scientific	10491	NA	NA

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5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

7. **Components Inspected:** Pressurizer (PZR)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
1RY-01-S/PN-01	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-01-NIR	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-02	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-02-NIR	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-03	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-03-NIR	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-05	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-05-NIR	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-06	Westinghouse Corp.	1721	U-201291	W13580
1RY-01-S/PN-06-NIR	Westinghouse Corp.	1721	U-201291	W13580

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5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
CLASS 1 RC PIPING - LEAKAGE	Hunter Corp.	NA	NA	NA

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5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RC14AB-2/1CV15039S	Pacific Scientific	N/A	N/A	N/A
1RC14AB-2/1CV15050V	Hunter Corp.	N/A	N/A	N/A
1RC14AC-2/1CV09061S	Pacific Scientific	N/A	N/A	N/A
1RC16AA-2/1CV12004V	Hunter Corp.	N/A	N/A	N/A
1RC21BA-8/1RC01005V	Hunter Corp.	N/A	N/A	N/A
1RC24AA-4/1RY06115X	Hunter Corp.	N/A	N/A	N/A

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5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RC13AA-2/W-01	Hunter Corp.	1-RC-1-N5	NA	NA
1RC13AA-2/W-02.01	W. A. Pope Corp.	1-RC-1-N5	NA	NA
1RC13AA-2/W-03	Hunter Corp.	1-RC-1-N5	NA	NA
1RC13AA-2/W-04	Hunter Corp.	1-RC-1-N5	NA	NA
1RC13AA-2/W-05	Hunter Corp.	1-RC-1-N5	NA	NA
1RC13AB-2/W-01	Hunter Corp.	1-RC-1-N5	NA	NA
1RC13AB-2/W-09	Hunter Corp.	1-RC-1-N5	NA	NA
1RC13AC-2/W-01	Hunter Corp.	1-RC-1-N5	NA	NA
1RC13AD-2/W-01	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-02	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-03	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-03A	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-03B	Hunter Corp.	1-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.
1RC14AA-2/W-03C	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-04	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-05	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-06	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-07	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-08	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-09	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-10	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-11	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-12	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AA-2/W-13	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AB-2/W-07	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AB-2/W-08	Hunter Corp.	1-RC-1-N5	NA	NA

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3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1RC14AB-2/W-09	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AB-2/W-10	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AB-2/W-11	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AC-2/W-08	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AD-2/W-08	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AD-2/W-09	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AD-2/W-10	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AD-2/W-11	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AD-2/W-12	Hunter Corp.	1-RC-1-N5	NA	NA
1RC14AD-2/W-13	Hunter Corp.	1-RC-1-N5	NA	NA
1RC16AA-2/W-02	Hunter Corp.	1-RC-1-N5	NA	NA
1RC16AA-2/W-03	Hunter Corp.	1-RC-1-N5	NA	NA
1RC16AA-2/W-04	Hunter Corp.	1-RC-1-N5	NA	NA

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

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(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:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RC16AA-2/W-05	Hunter Corp.	1-RC-1-N5	NA	NA
1RC16AA-2/W-06	Hunter Corp.	1-RC-1-N5	NA	NA
1RC16AA-2/W-07	Hunter Corp.	1-RC-1-N5	NA	NA
1RC16AA-2/W-08	Hunter Corp.	1-RC-1-N5	NA	NA
1RC16AB-2/W-02	Hunter Corp.	1-RC-1-N5	NA	NA
1RC21AA-8/J07	Hunter Corp.	1-RC-1-N5	NA	NA
1RC21AA-8/J08	Hunter Corp.	1-RC-1-N5	NA	NA
1RC21AA-8/J09	Hunter Corp.	1-RC-1-N5	NA	NA
1RC21AA-8/J10	Hunter Corp.	1-RC-1-N5	NA	NA
1RC21AA-8/J11	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-01	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-02	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-03	Hunter Corp.	1-RC-1-N5	NA	NA

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3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1RC22AA-1.5/W-04	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-05	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-06	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-07	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-08	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-09	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-10	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-11	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-12	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-13.01	NPSW Venture Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-14.01	NPSW Venture Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-15.01	NPSW Venture Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-16.01	NPSW Venture Corp.	1-RC-1-N5	NA	NA

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5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RC22AA-1.5/W-17	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-18	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-19	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-20	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-21	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-22	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-23	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-24	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-25	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-26	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-27	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-28	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-29	Hunter Corp.	1-RC-1-N5	NA	NA

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3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RC22AA-1.5/W-30	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-31	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-32	Hunter Corp.	1-RC-1-N5	NA	NA
1RC22AA-1.5/W-33	Hunter Corp.	1-RC-1-N5	NA	NA
1RC24AA-4/J06	Hunter Corp.	1-RC-1-N5	NA	NA
1RC24AA-4/J07	Hunter Corp.	1-RC-1-N5	NA	NA
1RC24AA-4/J09	Hunter Corp.	1-RC-1-N5	NA	NA
1RC24AA-4/J10	Hunter Corp.	1-RC-1-N5	NA	NA

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3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (If required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1RC01BA-1A/1RC06S	Paul Munroe	PD-1423-333	NA	NA
1RC01BA-1A/1RC07S	Paul Munroe	PD-1423-322	NA	NA
1RC01BB-1B/1RC08S	Paul Munroe	PD-1423-329	NA	NA
1RC01BB-1B/1RC09S	Paul Munroe	PD-1423-327	NA	NA
1RC01BC-1C/1RC10S	Paul Munroe	PD-1423-334	NA	NA
1RC01BC-1C/1RC11S	Paul Munroe	PD-1423-331	NA	NA
1RC01BD-1D/1RC12S	Paul Munroe	PD-1423-321	NA	NA
1RC01BD-1D/1RC13S	Paul Munroe	PD-1423-318	NA	NA
1RC08AB-3/4/1RC17025S	Pacific Scientific	2619	NA	NA
1RC14AB-2/1CV15014S	Pacific Scientific	5842	NA	NA
1RC14AB-2/1CV15014S	Pacific Scientific	5842	NA	NA
1RC14AB-2/1CV15040S	Pacific Scientific	13091	NA	NA
1RC14AB-2/1CV15041-S1	Lisega	7058	NA	NA

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5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RC14AB-2/1CV15041-S2	Lisega	2800	NA	NA
1RC14AB-2/1CV15053S	Pacific Scientific	2193	NA	NA
1RC14AB-2/1CV15053S	Pacific Scientific	2193	NA	NA
1RC14AC-2/1CV09066S	Pacific Scientific	12037	NA	NA
1RC14AC-2/1CV09067S	Pacific Scientific	22295	NA	NA
1RC14AC-2/1CV09067S	Pacific Scientific	22295	NA	NA
1RC14AC-2/1CV09068S	Pacific Scientific	10170	NA	NA
1RC14AC-2/1CV09069S	Pacific Scientific	12821	NA	NA
1RC14AC-2/1CV09069S	Pacific Scientific	12821	NA	NA
1RC20AB-3/4/1RC17012S	Pacific Scientific	14743	NA	NA
1RC22AB-1.5/1RC17003S	Pacific Scientific	7692	NA	NA
1RC22AB-1.5/1RC17015S	Pacific Scientific	20437	NA	NA
1RC22AB-1.5/1RC17028S	Pacific Scientific	5666	NA	NA

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3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RC22AD-1.5/1RC19007S	Pacific Scientific	9658	NA	NA

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(Name and Address of Plant)

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (If required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
CLASS 1 RH PIPING - LEAKAGE	Hunter Corp.	NA	NA	NA

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3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (If required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RH01AA-12/1RH02076X	Hunter Corp.	N/A	N/A	N/A
1RH01BA-12/1SI06072X	Hunter Corp.	N/A	N/A	N/A

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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.
1RH01BA-12/C18	Hunter Corp.	1-RH-2-N5	NA	NA
1RH01BA-12/C21	Hunter Corp.	1-RH-2-N5	NA	NA
1RH02AA-8/C02	Hunter Corp.	1-RH-2-N5	NA	NA
1RH02AA-8/C06	Hunter Corp.	1-RH-2-N5	NA	NA
1RH02AA-8/C07	Hunter Corp.	1-RH-2-N5	NA	NA
1RH02AA-8/C09	Hunter Corp.	1-RH-2-N5	NA	NA
1RH02AA-8/C10	Hunter Corp.	1-RH-2-N5	NA	NA
1RH-02-AB/RHEC-01	Joseph Oat Corp.	2267-1B	U122327	837
1RH-02-AB/RHEC-02	Joseph Oat Corp.	2267-1B	U122327	837
1RH12A-8/C01	Hunter Corp.	1-RH-2-N5	NA	NA

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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.
1RH01AA-12/1RH02054S	Pacific Scientific	9629	NA	NA
1RH02AB-8/1RH08015S	Pacific Scientific	9892	NA	NA
1RH26AA-3/4/1RH02112S	Lisega	14850	NA	NA
1RH26AB-3/4/1RH02102S	Pacific Scientific	7482	NA	NA

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3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1RY06B-3/1RY09078-S1	Pacific Scientific	8555	NA	NA
1RY06B-3/1RY09078-S2	Pacific Scientific	9665	NA	NA

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5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1RY03BB-6/FLG 1-12	Hunter Corp.	1-RY-1-N5	NA	NA
1RY03BB-6/FLG 1-12	Hunter Corp.	1-RY-1-N5	NA	NA
1RY8010B/INT SURF	Hunter Corp.	1-RY-1-N5	NA	NA

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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.
CLASS 1 RY PIPING - LEAKAGE	Hunter Corp.	NA	NA	NA

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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.
1RY01C-4/J01S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY-01-S/PN-01-F1S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY-01-S/PN-02-F2S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY-01-S/PN-03-F3S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY-01-S/PN-04-F4S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY-01-S/PN-05-F5S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY-01-S/PN-06-F6S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY02A-6/J01S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY03AA-6/J01S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY03AB-6/J01S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY03AC-6/J01S	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY11A-14/J01AS	Westinghouse Corp.	1-RY-1-N5	NA	NA
1RY18A-2/W-05A	Hunter Corp.	1-RC-1-N5	NA	NA

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Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
1RY18A-2/W-06	Hunter Corp.	1-RC-1-N5	NA	NA
1RY18A-2/W-07	Hunter Corp.	1-RC-1-N5	NA	NA
1RY18A-2/W-08	Hunter Corp.	1-RC-1-N5	NA	NA
1RY18A-2/W-09	Hunter Corp.	1-RC-1-N5	NA	NA
1RY18A-2/W-10	Hunter Corp.	1-RC-1-N5	NA	NA

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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:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1RY01AA-4/1RY06066S	Pacific Scientific	20685	NA	NA
1RY01B-6/1RY06022S	Pacific Scientific	10163	NA	NA
1RY01B-6/1RY06025S	Pacific Scientific	9660	NA	NA
1RY01B-6/1RY06026S	Pacific Scientific	8478	NA	NA
1RY01B-6/1RY06027S	Pacific Scientific	9687	NA	NA
1RY01B-6/1RY06030S	Pacific Scientific	10146	NA	NA
1RY01B-6/1RY06031S	Pacific Scientific	6027	NA	NA
1RY02B-3/1RY09077S	Pacific Scientific	14793	NA	NA
1RY18A-2/1RY06097S	Pacific Scientific	15029	NA	NA

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(Name and Address of Owner)

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(Name and Address of Plant)

3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
1RC-01-BB/SGW-01	Babcock & Wilcox Industries	7722-03	ILU-242903	166

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(Name and Address of Plant)

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1SI8818B/BLT 1-16	Hunter Corp.	1-SI-1-N5	NA	NA
1SI8818B/INT SURF	Hunter Corp.	1-SI-1-N5	NA	NA

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

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

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
CLASS 1 SI PIPING - LEAKAGE	Hunter Corp.	NA	NA	NA

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

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

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (If required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1SI02BA-6/1SI18043X	Hunter Corp.	N/A	N/A	N/A
1SI03DA-2/1SI11009X	Hunter Corp.	N/A	N/A	N/A
1SI03DA-2/1SI11016X	Hunter Corp.	N/A	N/A	N/A
1SI05CA-8/1SI01026X	Hunter Corp.	N/A	N/A	N/A
1SI05CA-8/1SI02001X	Hunter Corp.	N/A	N/A	N/A
1SI05DA-6/1SI01017X	Hunter Corp.	N/A	N/A	N/A
1SI05DA-6/1SI01024V	Hunter Corp.	N/A	N/A	N/A
1SI05DA-6/1SI01072X	Hunter Corp.	N/A	N/A	N/A
1SI05DA-6/1SI01073X	Hunter Corp.	N/A	N/A	N/A
1SI06BB-24/1SI06042V	Hunter Corp.	N/A	N/A	N/A
1SI08GB-1-1/2/1SI25005X	Hunter Corp.	N/A	N/A	N/A
1SI08GB-1-1/2/1SI25006X	Hunter Corp.	N/A	N/A	N/A
1SI08HA-2/1SI25015X	Hunter Corp.	N/A	N/A	N/A

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(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:** 1 4. **Owner Certificate Of Authorization (If required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1SI08JA-1-1/2/1SI24003X	Hunter Corp.	N/A	N/A	N/A
1SI08JA-1-1/2/1SI24005X	Hunter Corp.	N/A	N/A	N/A
1SI08JA-1-1/2/1SI24014X	Hunter Corp.	N/A	N/A	N/A

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(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:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1SI01B-24/C03	Hunter Corp.	NA	NA	NA
1SI01B-24/C04	Hunter Corp.	NA	NA	NA
1SI01B-24/C05	Hunter Corp.	NA	NA	NA
1SI08GC-1.5/W-01	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08GC-1.5/W-02	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08GC-1.5/W-03	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08GC-1.5/W-04	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08GC-1.5/W-05	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08HA-2/W-01	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08HA-2/W-02	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08HA-2/W-03	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08HA-2/W-04	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-06	Hunter Corp.	1-SI-1-N5	NA	NA

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

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1SI08JA-1.5/W-07	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-08	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-09	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-10	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-11	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-12	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-13	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-14	Hunter Corp.	1-SI-1-N5	NA	NA
1SI08JA-1.5/W-15	Hunter Corp.	1-SI-1-N5	NA	NA
1SI09BA-10/J13	Hunter Corp.	1-SI-1-N5	NA	NA
1SI09BA-10/J14	Hunter Corp.	1-SI-1-N5	NA	NA
1SI18FB-2/W-01.01	NPSW Venture Corp.	1-SI-1-N5	NA	NA
1SI18FB-2/W-02.01	NPSW Venture Corp.	1-SI-1-N5	NA	NA

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(Name and Address of Plant)

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1SI18FC-2/W-01.03	NPSW Venture Corp.	1-SI-1-N5	NA	NA
1SI18FC-2/W-02.03	NPSW Venture Corp.	1-SI-1-N5	NA	NA

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(Name and Address of Plant)

3. **Plant Unit:** 1 4. **Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 6. **National Board Number for Unit:** N-198

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.
1SI05CA-8/1SI01025S	Pacific Scientific	20071	NA	NA
1SI05CA-8/1SI02003S	Pacific Scientific	6923	NA	NA
1SI05CA-8/1SI03003S	Pacific Scientific	16673	NA	NA
1SI05CB-8/1SI04024S	Pacific Scientific	12170	NA	NA
1SI05CB-8/1SI09006S	Pacific Scientific	2058	NA	NA
1SI05CB-8/1SI09043S	Pacific Scientific	3195	NA	NA
1SI05CB-8/1SI09043S	Pacific Scientific	3195	NA	NA

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(Name and Address of Plant)

3. **Plant Unit:** 1 **4. Owner Certificate Of Authorization (if required):** N/A

5. **Commercial Service Date:** 09/16/85 **6. National Board Number for Unit:** N-198

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.
1SX06CA-14/1SX06003X	Hunter Corp.	N/A	N/A	N/A
1SX06CA-14/1SX06004X	Hunter Corp.	N/A	N/A	N/A
1SX06EA-10/1SX06014X	Hunter Corp.	N/A	N/A	N/A
1SX06EC-10/1SX06023A	Hunter Corp.	N/A	N/A	N/A
1SX07FA-16/1SX08001R	Hunter Corp.	N/A	N/A	N/A
1SX08AD-10/1SX07024V	Hunter Corp.	N/A	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

8. **Examination Dates:** 3/26/05 to 10/16/06
9. **Inspection Period Identification:** First Inspection Period
10. **Inspection Interval Identification:** Third Inspection Interval
11. **Applicable Edition of Section XI:** 2001 **Addenda** 2003
12. **Date / Revision of Inspection Plan:** 8/1/06 / 1
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: 1/5/07 Signed for: Exelon Generation Company

By: Robert McBride

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commision 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 **3/26/05** to **10/16/06**, 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. Futhermore, 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.

Inspectors Signature

Commissions: **ILL-1254** Date: 1/5, 20 07

National Board, State, Province, and Endorsements

B1R14

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, IL 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: One (1)

4. Owner Certificate of Authorization: N/A

5. Comercial Service Date: 09/16/85

6. National Board Number of Unit: N-198

7. Components Inspected: Class 2 System Pressure Tests

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
C7.30 CV-2-1	Hunter Corporation	N/A	N/A	N/A
C7.30 CV-2-2	Hunter Corporation	N/A	N/A	N/A
C7.30 PS-2-1	Hunter Corporation	N/A	N/A	N/A
C7.30 PS-2-2	Hunter Corporation	N/A	N/A	N/A
C7.30 SD-2-1	Hunter Corporation	N/A	N/A	N/A
C7.50 1CV-01-PA CV-2-1	Pacific Pump	149770	N/A	198
C7.50 1CV-01-PB CV-2-2	Pacific Pump	49771	N/A	201
C7.70 CV-2-1	Hunter Corporation	N/A	N/A	N/A
C7.70 CV-2-2	Hunter Corporation	N/A	N/A	N/A
C7.70 PS-2-1	Hunter Corporation	N/A	N/A	N/A
C7.70 PS-2-2	Hunter Corporation	N/A	N/A	N/A
C7.70 SD-2-1	Hunter Corporation	N/A	N/A	N/A

B1R14

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

8. Examination Dates: March 26, 2005 to October 16, 2006

9. Inspection Period Identification: Third Period

10. Inspection Interval Identification: Second Interval

11. Applicable Edition of Section XI 1989 Edition with No Addenda

12. Date/Revision of Inspection Plan: July 15, 2006 / Revision 8

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. All examinations and tests are within the completion requirements specified in the applicable Section XI subsections.

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: 1/5/07 **Signed For:** Exelon Generation Company

By: Robert McBride

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 **Hartford Steam Boiler of CT** of **Hartford, CT** have inspected the components described this Owner's Report during the period **3/26/2005 to 10/16/2006**, 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 Owners Report in accordance with the Inspection Plan and as required by 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 the Owner's Report. Futhermore, 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.

Inspectors Signature

Commissions: **ILL-1254**

National Board, State, Province, and Endorsements

Date: 1/5, 20 07

B1R14

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

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(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: One (1)

4. Owner Certificate of Authorization: N/A

5. Comercial Service Date: 09/16/85

6. National Board Number of Unit: N-198

7. Components Inspected: Class 1 System Pressure Tests

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
B15.10 Vessel 1RC-01-R	Westinghouse Corporation	640-0004-51	B-09061	N-198
B15.10 Head 1RC-01-R	Westinghouse Corporation	640-0004-52	B-09061	N-198
B15.10 1RY-01-S	Westinghouse Corporation	1721	U-201291	W13580
B15.10 1RC-01-BA	Babcock & Wilcox Incorporated	7720-02	ILU-242904	165
B15.10 1RC-01-BB	Babcock & Wilcox Incorporated	7720-03	ILU-242903	166
B15.10 1RC-01-BC	Babcock & Wilcox Incorporated	7720-01	ILU-242902	164
B15.10 1RC-01-BD	Babcock & Wilcox Incorporated	7720-04	ILU-242901	167
B15.10 Class 1 Piping	Hunter Corporation	N/A	N/A	N/A
B15.10 1RC-01-PA	Westinghouse Corporation	1-115E121-G01	N/A	W25819
B15.10 1RC-01-PB	Westinghouse Corporation	2-115E121-G01	N/A	W25820
B15.10 1RC-01-PC	Westinghouse Corporation	3-115E121-G01	N/A	W25821
B15.10 1RC-01-PD	Westinghouse Corporation	4-115E121-G01	N/A	W25822
B15.10 Class 1 Valves	Hunter Corporation	N/A	N/A	N/A

B1R14

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(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: One (1) **4.** Owner Certificate of Authorization: N/A

5. Comercial Service Date: 09/16/85 **6.** National Board Number of Unit: N-198

7. Components Inspected: Class 2 System Pressure Tests

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
C2.33 1RH-02-AA	Joseph Oat Corporation	2267-1A	U122326	836
C2.33 1RH-02-AB	Joseph Oat Corporation	2267-1B	U122327	837
C7.10 AF-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 AF-2-2	Hunter Corporation	N/A	N/A	N/A
C7.10 CS-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 CS-2-2	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-3	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-4	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-5	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-6	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-7	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-8	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-9	Hunter Corporation	N/A	N/A	N/A
C7.10 CV-2-10	Hunter Corporation	N/A	N/A	N/A
C7.10 FC-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 FP-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 FW-2-1	Hunter Corporation	N/A	N/A	N/A

B1R14

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, IL 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: One (1) **4.** Owner Certificate of Authorization: N/A

5. Comercial Service Date: 09/16/85 **6.** National Board Number of Unit: N-198

7. Components Inspected: Class 2 System Pressure Tests (cont'd)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
C7.10 FW-2-2	Hunter Corporation	N/A	N/A	N/A
C7.10 MS-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 MS-2-2	Hunter Corporation	N/A	N/A	N/A
C7.10 OG-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 PC-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 PS-2-3	Hunter Corporation	N/A	N/A	N/A
C7.10 PS-2-4	Hunter Corporation	N/A	N/A	N/A
C7.10 PS-2-5	Hunter Corporation	N/A	N/A	N/A
C7.10 PS-2-6	Hunter Corporation	N/A	N/A	N/A
C7.10 RC-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 RH-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 RH-2-2	Hunter Corporation	N/A	N/A	N/A
C7.10 RH-2-3	Hunter Corporation	N/A	N/A	N/A
C7.10 RH-2-4	Hunter Corporation	N/A	N/A	N/A
C7.10 RH-2-5	Hunter Corporation	N/A	N/A	N/A
C7.10 RH-2-6	Hunter Corporation	N/A	N/A	N/A
C7.10 SI-2-1	Hunter Corporation	N/A	N/A	N/A

B1R14

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, IL 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: One (1) **4.** Owner Certificate of Authorization: N/A

5. Comercial Service Date: 09/16/85 **6.** National Board Number of Unit: N-198

7. Components Inspected: Class 2 System Pressure Tests (cont'd)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
C7.10 SI-2-2	Hunter Corporation	N/A	N/A	N/A
C7.10 SI-2-3	Hunter Corporation	N/A	N/A	N/A
C7.10 SI-2-5	Hunter Corporation	N/A	N/A	N/A
C7.10 SI-2-6	Hunter Corporation	N/A	N/A	N/A
C7.10 SI-2-7	Hunter Corporation	N/A	N/A	N/A
C7.10 SI-2-8	Hunter Corporation	N/A	N/A	N/A
C7.10 SX-2-1	Hunter Corporation	N/A	N/A	N/A
C7.10 SX-2-2	Hunter Corporation	N/A	N/A	N/A

B1R14

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

8. Examination Dates: March 26, 2005 to October 16, 2006

9. Inspection Period Identification: First Period

10. Inspection Interval Identification: Third Interval

11. Applicable Edition of Section XI 2001 Edition through 2003 Addenda

12. Date/Revision of Inspection Plan: August 1, 2006 / Revision 1

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. All examinations and tests are within the completion requirements specified in the applicable Section XI subsections.

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: 1/5/07 **Signed For:** Exelon Generation Company

By: Robert McBride

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 **Hartford Steam Boiler of CT** of **Hartford, CT** have inspected the components described this Owner's Report during the period **3/26/2005 to 10/16/2006**, 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 Owners Report in accordance with the Inspection Plan and as required by 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 the Owner's Report. Futhermore, 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.

Inspectors Signature

Commissions: **ILL-1254**

National Board, State, Province, and Endorsements

Date: 1/5, 20 07

Section 5.0
Form NIS –2

5.0 FORM NIS-2 DATA SHEETS

A total of 80 ASME Form NIS-2, "Owners Report for Repairs or Replacements," were filed during Byron Station Unit 1 Cycle 14. The following is a system summary of NIS-2's generated:

SYSTEM	TOTAL NIS-2 REPORTS	NUMBER OF PAGES
AB - Boric Acid	1	1
AF - Auxiliary Feedwater	1	1
CC - Component Cooling	2	2
CV - Chemical & Volume Control	6	6
DG - Diesel Generator	4	4
DO - Diesel Fuel Oil	2	2
FP - Fire Protection	7	7
MS - Main Steam	4	7
RC - Reactor Coolant	2	4
RH - Residual Heat Removal	4	4
RY - Reactor Coolant Pressurizer	13	13
SA - Station Air	1	1
SD - Steam Generator Blowdown	5	5
SI - Safety Injection	8	10
SX - Essential Service Water	15	15
VA - Auxiliary Building Ventilation	1	1
WO - Chilled Water	2	2
XX - Spare Components	2	4
TOTAL	**80**	**89**

DOCUMENT NO.: 933885-08	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 8/24/06
   4300 Winfield Road, Warrenville, IL (Address) — Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) — Unit 00
   4450 N. German Church Road, Byron, IL (Address) — **Work Order No. 00933885-08** (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 **AB – BORIC ACID PROCESSING**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S75 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)
DEMIN RESIN FILL PIPE STUB WELD	WESTINGHOUSE	N-2301.40	73550	0AB03D	1976	INSTALLED	YES

7. Description of Work CUT DEMIN RESIN FILL PIPE STUB AND REWELD TO ACCESS TO FACILITATE MAINTENANCE TO THE DEMIN RESIN SCREEN
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 125 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 **Work Order No. 00933885-08**
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] RRR Coord Date 11/29, 20 06
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 7/14/06 to 11/30/06, 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 IL-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 30, 20 06

DOCUMENT NO.: 11	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 9/17/06
   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. 00811568-02** (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 **AF – AUX FEEDWATER**
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, N-249-1 thru -5 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)
U-BOLT W/ NUTS	ITT GRINNELL	N/A	N/A	1AF15005G	1982	REMOVED	NO
U-BOLT W/ NUTS	Bergen-Power Pipe Support	Heat Code: JB1214 and 805430-1	N/A	CAT ID #42969 1AF15005G	1999	INSTALLED	NO
¾" HEAVY HEX NUT	Nova Machine	Trace Code: J718	N/A	CAT ID #37031 AF15005G	2003	INSTALLED	NO
U-BOLT W/ NUTS	ITT GRINNELL	N/A	N/A	1AF15012G	1982	REMOVED	NO
U-BOLT W/ NUTS	Bergen-Power Pipe Support	UTC Number: 0002744085	N/A	CAT ID #35816 1AF15012G	2006	INSTALLED	NO

7. Description of Work REPLACE U-BOLTS PER EC #355518

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐
   VT-3 Other ☒ Pressure N/A psi Test Temp. N/A ºF

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. 00811568-02**
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 [signature] RRR Coord Date 11/3, 20 06
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 2/16/06 to 11/21/06, 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 ILL-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 21, 20 06

DOCUMENT NO.: 3A	REV. NO.: 1

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 6/21/06
   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. 00662470-01** (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 **CC COMPONENT COOLING**
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)
RELIEF VALVE	CROSBY	N56891-00-0001	N/A	1CC9422A	1974	REMOVED	YES
RELIEF VALVE	CROSBY	N56891-00-0021	N/A	1CC9422A	1977	INSTALLED	YES
NOZZLE	CROSBY	N90104-38-0023	N/A	INSTALLED VLV; S/N:N56891-00-0021	1977	REMOVED	YES
NOZZLE	CROSBY	N90104-50-0039	N/A	INSTALLED VLV; S/N:N56891-00-0021	1984	INSTALLED	NO
DISC	CROSBY	N90105-38-0023	N/A	INSTALLED VLV; S/N:N56891-00-0021	1977	REMOVED	YES
DISC	CROSBY	N90105-50-0047	N/A	INSTALLED VLV; S/N:N56891-00-0021	2003	INSTALLED	NO

7. Description of Work REPLACE RELIEF VALVE. REPLACE VALVE NOZZLE, DISC IN REPLACEMENT VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 130 psi Test Temp. 89 °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 00662470-01
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 SAS RRR Coord Date 8/23, 20 06
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 4/11/06 to 8/24/06, 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 16L-1254
National Board, State Province, and Endorsements

Date: August 24, 20 06

(Final)

DOCUMENT NO.: 3.0	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 09/15/06
   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. 792386-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **N P S & W VENTURE** (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 **Component Cooling**
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 – (PSA-1/4)	Pacific Scientific	3348	N/A	1CC37014S	1977	Removed	Yes
Snubber, Lisega 3018	Lisega	30400002-05	N/A	1CC37014S	2004	Installed	No

7. Description of Work REPLACED 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 WO 792386-01
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 _____ Date 10-11, 20 06
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 9/15/06 to 11/15/06, 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 NL-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 15, 20 06

(Final)

DOCUMENT NO.: 3.0	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 **09/15/06**
   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. 594993-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **N P S & W VENTURE** (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**
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 – (PSA-1/4)	Pacific Scientific	7058	N/A	1CV15041-S1	1977	Removed	Yes
Snubber, Lisega 3018	Lisega	30400002-03	N/A	1CV15041-S1	2004	Installed	No

7. Description of Work REPLACED 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 WO 594993-01
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 Matt Engert Date 10-10, 20 06
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 9/13/06 to 9/13/06, 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 IL1576
Inspector's Signature
National Board, State Province, and Endorsements

Date: 10/12, 20 06

(Final)

DOCUMENT NO.: 3.0	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 09/15/06
   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. 594995-01** (Repair Organization, P.O. No., Job No., etc.)
3. Work Performed by **N P S & W VENTURE** (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**
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 – (PSA-1/4)	Pacific Scientific	2800	N/A	1CV15041-S2	1977	Removed	Yes
Snubber, Lisega 3018	Lisega	30400002-04	N/A	1CV15041-S2	2004	Installed	No

7. Description of Work REPLACED 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 WO 594995-01
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 10-10, 20 06
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 9/13/06 to 9/13/06, 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 IL 15-46
Inspector's Signature — National Board, State Province, and Endorsements

Date: 10/12, 20 06

(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 09/17/06
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 1
   4450 N. German Church Road, Byron, IL (Address) **Work Order No.** 00793219-01 (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 CV (Chemical Volume and Control)
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)
Body to Cover Seal weld	Kerotest	Body P-9911-1-(1)Z Cover P-9911-2-(1)Z	9608	1CV8368C S/N: N01-18	1976	Removed	Yes
Body to Cover Seal weld	Kerotest	Body P-9911-1-(1)Z Cover P-9911-2-(1)Z	9608	1CV8368C S/N: N01-18	1976	Installed	Yes

7. Description of Work Remove Existing Seal Weld and Re-install Seal Weld

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

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 00793219-01
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. Sibley, RRR COORDINATOR Date 10/24, 20 06
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 1/30/06 to 11/21/06, 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 ILL-1254
Inspector's Signature
National Board, State Province, and Endorsements

Date: Nov. 21, 20 06

DOCUMENT NO.: Doc 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 9/18/06
   4300 Winfield Road, Warrenville, IL (Address) Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) Unit 1
   4450 N. German Church Road, Byron, IL (Address) **Work Order No. 00810976-01** (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 **CV – Chemical and Volume Control.**
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S/72 Addenda, 1649 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)
1CV8123 Relief Valve	Crosby	N56900-00-0075	N/A	1CV8123	1998	Removed	Yes
1CV8123 Relief Valve	Crosby	N56900-00-0017	N/A	1CV8123	1975	Installed	Yes

7. Description of Work Replace flanged relief valve.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
   Other ☐ Pressure 30 psi Test Temp. 105 °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. 00810976-01**
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 RRR Coord Date 11/22, 20 06
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 1/23/06 to 11/27/06, 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 IL-1254
National Board, State Province, and Endorsements

Date: NOV. 27, 20 06

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 01/20/06
   4300 Winfield Road, Warrenville, IL (Address) — Sheet 1 of 1
2. Plant **Byron Nuclear Power Station** (Name) — Unit 0
   4450 N. German Church Road, Byron, IL (Address) — **Work Order No. 00811071-01** (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 CV- CHEMICAL & VOLUME CONTROL - SPARE VALVE
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)
NOZZLE	CROSBY	N90137-49-0162	N/A	CAT ID: 27689 S/N:N56903-00-0027	1979	REMOVED	NO
NOZZLE	CROSBY	N90137-08-0346	N/A	CAT ID: 27689 S/N:N56903-00-0027	1998	INSTALLED	NO
DISC INSERT	CROSBY	N90448-39-0137	N/A	CAT ID: 27689 S/N:N56903-00-0027	1979	REMOVED	NO
DISC INSERT	CROSBY	N90448-97-0359	N/A	CAT ID: 27689 S/N:N56903-00-0027	2004	INSTALLED	NO

7. Description of Work REPLACE NOZZLE AND DISC INSERT IN SPARE VALVE
   RETURN VALVE TO STORES UNDER CAT. ID.:27689.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
   Spare Valve Other ☐ Pressure n/a psi Test Temp. n/a °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. 00811071-01**
Applicable Manufacturer's Data Reports to be attached
RELIEF VALVE S/N: N56903-00-0027 REMOVED FROM 1CV117 UNDER W/O 00617355.

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] RRR Coord Date 4/11, 20 06
(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 11/1/05 to 4/12/06, 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 IL-1254
Inspector's Signature — National Board, State Province, and Endorsements

Date: April 12, 20 06