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4450 North German Church Road  
Byron, IL 61010-9794

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

Byron Station, Unit 2  
Facility Operating License No. NPF-66  
NRC Docket No. STN 50-455

SUBJECT. Byron Station Unit 2 90-Day Inservice Inspection Report for Interval 2, Period 2,  
Outage 1 (B2R10)

The subject 90-day Inservice Inspection (ISI) Report for the Byron Station Unit 2, Refueling Outage Ten (i.e. B2R10) is being submitted pursuant to the requirements of Article IWA-6000, "Records and Reports" of Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code, 1989 Edition. The report covers the inservice inspections conducted prior to and during the Unit 2 Fall 2002 refueling outage.

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

Respectfully,



Richard P. Lopriore  
Site Vice President  
Byron Nuclear Generating Station

RPL/RGM/NV/rah

Attachment: B2R10 Inservice Inspection Summary Report – Fall 2002 Outage

cc: Regional Administrator - NRC Region III  
NRC Senior Resident Inspector - Byron Station

A047

**BYRON**  
**UNIT 2**

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

# **B2R10**

## **INSERVICE INSPECTION SUMMARY REPORT**

*Fall 2002 Outage*

**April 22, 2001  
to  
October 7, 2002**

Commerical Service Date  
August 21, 1987

Document Completion Date  
December 10, 2002

Exelon Generation Company (EGC, LLC)  
200 Exelon Way  
Kennett Square, PA 19348

Byron Nuclear Power Station  
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Byron, IL 61010

# B2R10

## INSERVICE INSPECTION SUMMARY REPORT

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## 1.0 INTRODUCTION

Inservice inspections of American Society of Mechanical Engineers (ASME) Class 1, 2, 3, CC and MC components were conducted at Byron Station Unit 2 from September 17, 2002 through October 7, 2002. The majority of these inspections were performed during the Byron Station Unit 2 tenth refueling outage (B2R10). 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 will address inspection results of Class 1 and 2 components and piping, as required by the ASME Code, IWA-6000. See Section 3.0 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, and IWF, 1989 Edition, No Addenda, and Subsections IWA and IWE and IWL, 1998 Edition, No Addenda for Class CC and MC components. In addition to the ASME Section XI requirements of examination, certain Nuclear Regulatory Commission (NRC) augmented ISI inspections were required. The Byron Station Unit 2 augmented ISI examination requirements include:

- a) High-energy lines in accordance with NUREG 0800, "Standard Review Plan";
- b) Class 1 pressure boundary for leakage at nominal operating pressure, in accordance with NRC Generic Letter 88-05, "Boric Acid Corrosion of Carbon Steel Reactor Pressure Boundary Components in PWR Plants";
- c) Class 2 and 3 pressure boundary for leakage at nominal operating pressure, in accordance with NUREG 0737, "Clarification of TMI Action Plan Requirements";
- d) Examination of RCP Flywheels in accordance with Regulatory Guide 1.14.

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

### 1.1 Identification of Examination Requirements

The ISI Program contains the NDE program tables. These tables are presented in a tabular format consistent with the tables found in Subsections IWB, IWC, IWD, IWE, and IWF, and IWL-2500 of the ASME Code. The NDE 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. Program notes and relief requests and additional information are identified in the "remarks" column.

For Class 1 and 2 piping, the requirements of Risk Informed Inservice Inspection (RI-ISI) are followed using Table 1 of ASME Code Case N-578-1, and EPRI Topical Report TR112657 Revision B-A, "Revised Risk-Informed Inservice Inspection Procedure." This alternate selection and examination method was approved for use with Byron Station's Request for Relief I2R-40 and was incorporated into program plan (currently Revision 4, dated February 15, 2002). This request was granted by a Safety Evaluation (SER) dated February 5, 2002.

As specified in I2R-40 and granted by the SER, the volumetric examination for RI-ISI begins the 2<sup>nd</sup> Period with 70.37% remaining for the Second Inspection Interval. This percentage was determined by a completion of 29.63% of the required examinations at the end of the 1<sup>st</sup> Period. The Class 1 and 2 piping welds examined in the 1<sup>st</sup> Period were determined by Examination Categories B-F, B-J, C-F-1, and C-F-2. These categories were subsequently replaced by the single RI-ISI Examination Category R-A.

With the adoption of RI-ISI, 67 Class 1 socket welds were chosen for VT-2 examination every refueling outage as allowed by Code Case N-578-1. The VT-2 examination of these welds began with the start of the 2<sup>nd</sup> Period and will be repeated every outage for the remainder of the Interval.

## 1.2 Identification of Exempted components

ASME Class 1, 2, and 3 components, or parts of components, that are not included in the NDE 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 establishment of 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, 1991 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, 1991 Revision. The NDE procedures were developed and certified in conformance with ASME Section V and XI, 1989 Edition, 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.

All ISI NDE, including evaluation of flaw indications, were performed in accordance with the requirements stipulated under Section XI, Subarticle IWA-2200 "Examination Methods."

#### **1.4 Witness and Verification of Examination**

The inservice inspections were witnessed and/or verified by the Authorized Nuclear Inservice Inspectors (ANII), J. Hendricks and R. Ward. 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 contains summaries of examinations performed during the refueling outage. Refer to each summary table for additional information or for specific tests and examinations conducted during this term.

### 2.1 Welds & Components Summary

COMPONENT / SYSTEM BASIC DESCRIPTION	PIPING AND PUMPS							VESSEL WELDS							BOLTING / STUDS			INTERIOR SURFACES	
	PRESSURE RETAINING WELDS			ATTACHMENTS	AUGMENTED HELB* ECCS** FLYWHEELS			GIRTH AND LONGITUDINAL		NOZZLES AND SAFE-ENDS		NOZZLE INNER RADIUS	ATTACHMENTS	INDICATION RESIZE					
	SUR	VOL	VT		SUR	SUR	VOL	VT	SUR	VOL	SUR				VOL	VOL	SUR		VOL
EXAMINATION METHOD SURFACE, VOLUMETRIC, VISUAL																			
Containment Spray		9																	
Chemical & Volume Control	1		13															2	
Essential Service Water																			
Feedwater		10				4													
Main Steam				2															
Pressurizer Surge		13	4																
Pressurizer Vessel																			
Reactor Coolant		8	43		1														
Reactor Pressure Vessel								1	1									1	
Residual Heat Removal		7								4									
Safety Injection System		6	7	1														3	
Steam Generator Blowdown																			
Steam Generators									1									1	
<b>EXAM TYPE TOTAL</b>	<b>1</b>	<b>53</b>	<b>67</b>	<b>3</b>	<b>1</b>	<b>4</b>		<b>1</b>	<b>2</b>	<b>4</b>								<b>7</b>	
<b>COMPONENT/EXAM TOTAL</b>	<b>129</b>							<b>7</b>							<b>7</b>				
<b>OUTAGE EXAM TOTAL</b>	<b>143</b>																		

\*HELB: High Energy Line Break examinations per NUREG 0800.

\*\*ECCS: Emergency Core Cooling System examination per NRC IN 79-19.

2.2 System Pressure Test Summary

EXAMINATION AREA	LEAK	FUNCTIONAL	INSERVICE	PNEUMATIC
Class 1 Vessel Pressure Retaining Boundary	6			
Class 1 Piping, Pressure Retaining Boundary	1			
Class 1 Pumps, Pressure Retaining Boundary	4			
Class 1 Valves, Pressure Retaining Boundary	1			
Class 2 Vessel Pressure Retaining Boundary		4	12	
Class 2 Piping, Pressure Retaining Boundary		27	16	8
Class 2 Pumps, Pressure Retaining Boundary		6	3	
Class 2 Valves, Pressure Retaining Boundary		27	16	8
<b>TOTALS</b>	12	64	47	16

2.3 Containment Examination Summary

EXAMINATION ITEM* / AREA	COMMENTS
E1.11 Accessible surface area	Augmented examinations to determine liner plate degradation.
E4.10 Visible Surfaces	Augmented examinations to determine liner plate degradation.
L1.11 Accessible Surface Areas	100% of accessible surfaces examined (Concrete).
L1.12 Suspect Areas	Detailed examination when identified.
L2.30 Anchorage Hardware & Surrounding Concrete	Detailed examination.

2.4 Component Support Examination Summary \_\_\_\_\_

SYSTEM EXAMINED	CLASS	VT-3
Containment Spray	2	2
Chemical Volume Control	2	4
Reactor Coolant	1	7
Residual Heat Removal	1	2
	2	5
Safety Injection	2	1
<b>TOTALS</b>		<b>21</b>

2.5 Component Snubber Test Summary \_\_\_\_\_

SYSTEM EXAMINED	VT-3 EXAMINED	FUNCTIONAL TEST
Containment Spray	-	17
Chemical Volume Control	-	2
Feedwater	-	4
Main Steam	-	3
Reactor Coolant	-	8
Pressurizer Surge and Piping	-	5
Residual Heat Removal	-	10
Safety Injection	-	7
Steam Generator Blowdown	-	8
<b>TOTALS</b>	<b>-</b>	<b>64</b>

**2.6 Repair/Replacement Summary**

A total of 49 ASME Form NIS-2, "Owners Report for Repairs or Replacements," were filed during Byron Station Unit 2 Cycle 10. The following is a system summary of NIS-2's generated:

SYSTEM	TOTAL NIS-2 FORMS	NUMBER OF PAGES
Boric Acid	2	2
Chemical Volume Control	10	10
Diesel Generator	4	4
Feed Water	1	1
Fire Protection	1	1
Main Steam	6	7
Reactor Coolant	7	7
Residual Heat Removal	1	1
Pressurizer	2	3
Service Air	1	1
Steam Generator Blowdown	2	2
Safety Injection	1	1
Essential Service Water	7	7
Auxiliary Building Floor Drains	2	3
Auxiliary Building HVAC	1	1
Spare Components	1	1
<b>TOTAL</b>	<b>49</b>	<b>52</b>

### 3.0 REFERENCED DOCUMENTS

#### 3.1 Code of Federal Regulations, Title 10 "Energy"

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

50.55a, "Codes and Standards"

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

Section V, "Nondestructive Examination," 1989 Edition, No Addenda,

Section V, "Nondestructive Examination," 1995 Edition, with the 1996 Addenda,

Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components," 1989 Edition, No Addenda,

Division 1 Rules for Inspection and Testing of Components of Light-Water Cooled Plants

Subsection IWA, "General Requirements"

Article IWA-2000, "Examination and Inspection"

Article IWA-4000, "Repair Procedures"

Article IWA-6000, "Records and Reports"

Article IWA-7000, "Replacement"

Subsection IWB, "Requirements for Class 1 Components of Light-Water Cooled Plants"

Article IWB-1000, "Scope and Responsibility"

Article IWB-2000, "Examination and Inspection"

Table IWB-2500-1, "Examination Categories"

Subsection IWC, "Requirements for Class 2 Components of Light-Water Cooled Plants"

Article IWC-1000, "Scope and Responsibility"

Article IWC-2000, "Examination and Inspection"

Table IWC-2500-1, "Examination Categories"

Subsection IWD, "Requirements for Class 3 Components of Light-Water Cooled Plants"

Article IWD-1000, "Scope and Responsibility"

Article IWD-2000, "Examination and Inspection"

Table IWD-2500-1, "Test and Examination Categories"

Subsection IWF, "Requirements for Class 1, 2, 3 and MC Component Supports of Light-Water Cooled Plants"

Article IWF-2000, "Examination and Inspection"

Table IWF-2500-1, "Examination Categories"

Mandatory Appendices

Appendix II, "Owner's Report for Inservice Inspections" (Forms NIS-1 and NIS-2)

### **3.2 ASME Boiler and Pressure Vessel Code (cont'd)**

Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components", 1998 Edition,  
No Addenda,

Division 1 Rules for Inspection and Testing of Components of Light-Water Cooled Plants

Subsection IWE, "Requirements for Class MC and Metallic Liners of Class CC  
Components of Light-Water Cooled Plants"

Article IWE-2000, "Examination and Inspection"

Table IWE-2500-1, "Examination Categories"

Subsection IWL, "Requirements for Class CC Concrete Components of Light-Water  
Cooled Plants"

Article IWL-2000 Examination and Inspection

Table IWL-2500-1, "Examination Categories"

Cases of ASME Boiler and Pressure Vessel Code

Case N-578-1 "Risk-Informed Requirements for Class 1, 2, or 3 Piping, Method B, Section  
XI, Division 1"

### **3.3 American National Standards Institute / American Society for Nondestructive Testing**

ANSI/ASNT CP-189, 1991 Edition, "Standard for Qualification and Certification of  
Nondestructive Testing Personnel"

### **3.4 American Society for Nondestructive Testing**

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

### **3.5 Miscellaneous NRC Documents**

NUREG-0800, Section 3.6.1, "Plant Design for Protection Against Postulated Piping Failures in  
Fluid Systems Outside Containment"

Approval of Relief Request I2R-40 for Application of Risk-Informed Inservice Inspection  
Program as an Alternative to the ASME Boiler and Pressure Vessel Code Section XI  
Requirements for Class 1 and 2 Piping Welds for Byron Station, Units 1 and 2 (TAO NOS.  
MB0567 AND MB0568)

Safety Evaluation by the Office of Nuclear Reactor Regulation, Risk Informed Inservice  
Inspection Program Relief Request, Exelon Generation Company, Byron Station Units 1 and 2,  
Docket Nos. STN 50-454 and STN 50-455

Information Notice 79-19, "Pipe Cracks in Stagnant Borated Water Systems at PWR Plants"











**OUTAGE INSPECTION SUMMARY**

SYSTEM: Reactor Coolant (RC)			INTERVAL: Second			PERIOD: Second			NOTES
OBS NUMBER	CODE CATEGORY	CODE ITEM	ISOMETRIC	COMPONENT/LINE IDENTIFICATION	COMPONENT / WELD NUMBER	EXAM TYPE			
						SUR	VOL	VIS	
10-076	R-A	R1.20	2RC-01	2RC01AA-29"	J06			X	No Recordable Indications
10-077	R-A	R1.20	2RC-01	2RC03AA-27½"	J02A			X	No Recordable Indications
10-078	R-A	R1.20	2RC-01	2RC03AA-27½"	J04			X	No Recordable Indications
10-096	R-A	R1.20	2RC-30	2RC13AA-2"	W-01			X	No Recordable Indications
10-097	R-A	R1.20	2RC-30	2RC13AA-2"	W-02			X	No Recordable Indications
10-098	R-A	R1.20	2RC-30	2RC13AA-2"	W-03			X	No Recordable Indications
10-099	R-A	R1.20	2RC-30	2RC13AA-2"	W-04			X	No Recordable Indications
10-100	R-A	R1.20	2RC-30	2RC13AA-2"	W-05			X	No Recordable Indications
10-101	R-A	R1.20	2RC-30	2RC13AB-2"	W-01			X	No Recordable Indications
10-102	R-A	R1.20	2RC-30	2RC13AC-2"	W-01			X	No Recordable Indications
10-103	R-A	R1.20	2RC-30	2RC13AD-2"	W-01			X	No Recordable Indications
10-116	R-A	R1.11	2RC-36	2RC14AA-2"	W-01			X	No Recordable Indications
10-117	R-A	R1.11	2RC-36	2RC14AA-2"	W-01A			X	No Recordable Indications
10-118	R-A	R1.11	2RC-36	2RC14AA-2"	W-01B			X	No Recordable Indications
10-119	R-A	R1.11	2RC-36	2RC14AA-2"	W-01C			X	No Recordable Indications
10-120	R-A	R1.11	2RC-36	2RC14AA-2"	W-02			X	No Recordable Indications
10-121	R-A	R1.11	2RC-36	2RC14AA-2"	W-03			X	No Recordable Indications
10-122	R-A	R1.11	2RC-36	2RC14AA-2"	W-04			X	No Recordable Indications
10-123	R-A	R1.11	2RC-36	2RC14AA-2"	W-05			X	No Recordable Indications
10-124	R-A	R1.11	2RC-36	2RC14AA-2"	W-06			X	No Recordable Indications
10-125	R-A	R1.11	2RC-36	2RC14AA-2"	W-07			X	No Recordable Indications
10-126	R-A	R1.11	2RC-36	2RC14AA-2"	W-08			X	No Recordable Indications
10-127	R-A	R1.11	2RC-36	2RC14AA-2"	W-09			X	No Recordable Indications
10-128	R-A	R1.11	2RC-36	2RC14AA-2"	W-10			X	No Recordable Indications
10-129	R-A	R1.11	2RC-36	2RC14AA-2"	W-11			X	No Recordable Indications
10-133	R-A	R1.11	2RC-41	2RC16AA-2"	W-03			X	No Recordable Indications
10-134	R-A	R1.11	2RC-41	2RC16AA-2"	W-04			X	No Recordable Indications
10-135	R-A	R1.11	2RC-41	2RC16AA-2"	W-05			X	No Recordable Indications
10-136	R-A	R1.11	2RC-41	2RC16AA-2"	W-06			X	No Recordable Indications
10-137	R-A	R1.11	2RC-41	2RC16AA-2"	W-07			X	No Recordable Indications
10-138	R-A	R1.11	2RC-41	2RC16AB-2"	W-04			X	No Recordable Indications
10-139	R-A	R1.11	2RC-41	2RC16AB-2"	W-05			X	No Recordable Indications
10-094	R-A	R1.20	2RC-29	2RC16AC-2"	W-08			X	No Recordable Indications
10-095	R-A	R1.20	2RC-29	2RC16AD-2"	W-01			X	No Recordable Indications
10-079	R-A	R1.20	2RC-06	2RC21AA-8"	J02		X		No Recordable Indications
10-080	R-A	R1.20	2RC-06	2RC21AA-8"	J03		X		No Recordable Indications
10-081	R-A	R1.11	2RC-06	2RC21AA-8"	J05		X		No Recordable Indications
10-082	R-A	R1.11	2RC-06	2RC21AA-8"	J06		X		No Recordable Indications















**OUTAGE INSPECTION SUMMARY**

SYSTEM		INTERVAL	PERIOD			
Pressure Tests, All Systems		Second	Second			
CODE ITEM NUMBER	EXAMINATION ITEM/AREA (NOTE 2)	EXAMINATION TYPE				
		LEAK	FUNCTIONAL	INSERVICE	PNEUMATIC	NOTE
<b>CLASS 1 COMPONENTS</b>						
B15.10	Reactor Vessel Pressure Retaining Boundry					
	2RC01R	X				1, 4
B15.20	Pressurizer Pressure Retaining Boundary					
	2RY01S	X				1, 4
B15.30	Steam Generator Pressure Retaining Boundary					
	2RC01BA	X				1, 4
	2RC01BB	X				1, 4
	2RC01BC	X				1, 4
	2RC01BD	X				1, 4
B15.50	Class 1 Piping Pressure Retaining Boundary					
	Piping	X				1
B15.60	Class 1 Pumps Pressure Retaining Boundary					
	2RC01PA	X				1
	2RC01PB	X				1
	2RC01PC	X				1
	2RC01PD	X				1
B15.70	Class 1 Valves Pressure Retaining Boundary					
	Valves	X				1, 4
<b>CLASS 2 COMPONENTS</b>						
C2.33	Nozzle-to-Shell (or Head) When Inside of Vessel is Inaccessible					
	Residual Heat Removal:					
	2RH02AA RH-2-1		X			
	2RH02AB RH-2-2		X			
C7.10	Pressure Vessels Pressure Retaining Components					
	Chemical & Volume Control:					
	2CV02F CV-2-4			X		
	2CV02A CV-2-4			X		
	2CV01FA CV-2-5			X		
	2CV01FB CV-2-5			X		
	2CV04AA CV-2-5			X		
	2CV04AB CV-2-5			X		
	2CV01T CV-2-5			X		
	2CV05A CV-2-5			X		
	2CV01AB CV-2-8			X		
	2CV01AA CV-2-8			X		
	Residual Heat Removal:					
	2RH02AA RH-2-1		X			
	2RH02AB RH-2-2		X			





**OUTAGE INSPECTION SUMMARY**

SYSTEM		INTERVAL	PERIOD:			
Pressure Tests, All Systems		Second	Second			
CODE ITEM NUMBER	EXAMINATION ITEM/AREA (NOTE 2)	EXAMINATION TYPE				
		LEAK	FUNCTIONAL	INSERVICE	PNEUMATIC	NOTE
<b>CLASS 2 COMPONENTS</b>						
C7.50	Pumps, Pressure Retaining Boundary					
	Containment Spray:					
	2CS01PA CS-2-1		X			
	2CS01PB CS-2-2		X			
	Chemical & Volume Control:					
	2CV01PA CV-2-1			X		
	2CV01PB CV-2-2			X		
	2CV02P CV-2-3			X		3
	Residual Heat Removal:					
	2RH01PA RH-2-1		X			
	2RH01PB RH-2-2		X			
	Safety Injection:					
	2SI01PA SI-2-1		X			
	2SI01PB SI-2-2		X			
C7.70	Valves, Pressure Retaining Boundary					
	Containment Spray:					
	CS-2-1		X			
	CS-2-2		X			
	CS-2-3		X			
	CS-2-4		X			
	CS-2-5		X			
	Chemical & Volume Control:					
	CV-2-1			X		
	CV-2-2			X		
	CV-2-3			X		3
	CV-2-4			X		
	CV-2-5			X		
	CV-2-7		X			
	CV-2-8			X		4
	CV-2-9		X			
	CV-2-10			X		
	Fuel Pool Cooling:					
	FC-2-1		X			
	Process Radiation Monitoring					
	PR-2-2				X	
	Process Sampling:					
	PS-2-3		X			
	PS-2-4		X			
	PS-2-5		X			
	PS-2-6		X			

**OUTAGE INSPECTION SUMMARY**

SYSTEM		INTERVAL:	PERIOD			
Pressure Tests, All Systems		Second	Second			
CODE ITEM NUMBER	EXAMINATION ITEM/AREA (NOTE 2)	EXAMINATION TYPE				
		LEAK	FUNCTIONAL	INSERVICE	PNEUMATIC	NOTE
<b>CLASS 2 COMPONENTS</b>						
C7.70	Valves, Pressure Retaining Boundary (cont'd)					
	Reactor Coolant:					
	RC-2-1			X		
	Reactor Building Drains:					
	RE-2-1				X	
	RE-2-2			X		
	RE-2-3				X	
	Auxiliary Building Drains:					
	RF-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			
	Pressurizer:					
	RY-2-1			X		
	RY-2-2			X		
	RY-2-3			X		
	RY-2-4			X		
	S/G Blowdown					
	SD-2-1			X		
	Safety Injection:					
	SI-2-1		X			
	SI-2-2		X			
	SI-2-3		X			
	SI-2-6		X			
	SI-2-7		X			
	SI-2-8		X			
	SI-2-9		X			
	Containment Ventilation:					
	VQ-2-1				X	
	VQ-2-2				X	
	VQ-2-3				X	
	VQ-2-4				X	
	Make-up Demineralizer:					
	WM-2-1			X		
	Containment Chilled Water:					
	WO-2-1		X			
	WO-2-2		X			

**OUTAGE INSPECTION SUMMARY**

SYSTEM. Pressure Tests, All Systems	INTERVAL Second	PERIOD Second
<p>NOTE 1 The ASME Class 1 Pressure Boundry Leakage Test (VT-2) was performed on 9/16/02 and 10/1/02 to correspond to the pre- and post-refueling outage inspections. The ASME Class 1 portion under the vessel (in-core area) for the pre-refueling was performed on 9/26/02.</p> <p>NOTE 2 Refer to the System Pressure Test Summary for Subsystem Descriptions.</p> <p>NOTE 3 The Inservice Inspection (VT-2) of CV-2-3 was performed with the exception of the Chemical Volume Control Positive Displacement Pump (2CV02P) 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 subsequent revised On-Site review 93-006.</p> <p>NOTE 4 Insulation was removed from bolted connections on sytems that are borated for the purpose of controlling reactivity in accordance with IWA-5242 and in a depressurized condition allowed by relief request I2R-11, Rev. 2.</p>		



**Support Outage Summary**

(Page 1 of 5)

**SYSTEM:** Containment Spray System (CS)

Section XI Cat. Item	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A F1.20	2CS03B017X	2CS02AB-10/2CS03B017X	VT-3	NRI	Welds are painted .
F-A F1.20	2CS03A030X	2CS10AA-6/2CS03A030X	VT-3	NRI	Welds are painted, minor rust on welds.

**Support Outage Summary**  
(Page 2 of 5)**SYSTEM:** Chemical & Volume Control System (CV)

Section XI Cat. Item	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A F1.20	2CV08035X	2CV05B-8/2CV08035X	VT-3	NRI	Welds are painted.
F-A F1.20	2CV47003X	2CV05B-8/2CV47003X	VT-3	NRI	Welds are painted.
F-A F1.20	2CV08001X	2CV05CB-6/2CV08001X	VT-3	NRI	Welds, pins and bolting are painted .
F-A F1.20	2CV01A007X	2CV08BA-4/2CV01A007X	VT-3	NRI	Welds are painted.

## Support Outage Summary (Page 3 of 5)

SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A F1.10	2CV09028S	2RC14AC-2/2CV09028S	VT-3	NRI	
F-A F1.10	2CV09029S	2RC14AC-2/2CV09029S	VT-3	NRI	Insulation removed for exam
F-A F1.10	2CV14001S	2RC16AD-2/2CV14001S	VT-3	NRI	Insulation removed for exam
F-A F1.10	2RC16002S	2RC22AA-1.5/2RC16002S	VT-3	NRI	
F-A F1.10	2RC16011S	2RC22AA-1.5/2RC16011S	VT-3	RI	Stepped on / Rotated Pipe Clamp, Snubber hand stroked Acceptable. Pipe clamp corrected on WO# 488396. Snubber evaluated acceptable per RIR-02-2-028.
F-A F1.10	2RC16012S	2RC22AA-1.5/2RC16012S	VT-3	NRI	
F-A F1.10	2CV02001X	2RC37A-3/2CV02001X	VT-3	NRI	

## Support Outage Summary

(Page 4 of 5)

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

Section XI Cat. Item	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A F1.10	2RH02058X	2RH01AA-12/2RH02058X	VT-3	NRI	Insulation removed for exam
F-A F1.20	2RH02059S	2RH01AA-12/2RH02059S	VT-3	NRI	Insulation removed for exam
F-A F1.10	2RH02068S	2RH01AA-12/2RH02068S	VT-3	NRI	Insulation removed for exam
F-A F1.20	2RH07004R	2RH02AA-8/2RH07004R	VT-3	NRI	Welds are painted.
F-A F1.20	2RH07009X	2RH02AA-8/2RH07009X	VT-3	NRI	Welds are painted.
F-A F1.20	2RH07016V	2RH02AA-8/2RH07016V	VT-3	NRI	Welds are painted.
F-A F1.20	2RH01010X	2RH03AA-8/2RH01010X	VT-3	NRI	Welds are painted.

**Support Outage Summary**  
(Page 5 of 5)**SYSTEM:** Safety Injection System (SI)

Section XI Cat. Item	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A F1.20	2SI06201X	2SI01B-24/2SI06201X	VT-3	NRI	

**Snubber Outage Summary**

(Page 1 of 10)

**SYSTEM:** Containment Spray System (CS)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A	2CS03A007S	2CS02AA-10/2CS03A007S	F.TEST	PASS	Original Scope
F-A	2CS03A012S	2CS02AA-10/2CS03A012S	F.TEST	PASS	Original Scope

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers

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

## Snubber Outage Summary (Page 2 of 10)

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
N/A	2CV02006S	2CV10CB-3/2CV02006S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
N/A	2CV04002S	2CV10B-3/2CV04002S	F.TEST	FAIL	Service Life Monitoring Testing, snubber failed no expansion required
N/A	2CV04012S	2CV10B-3/2CV04012S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
N/A	2CV04015S	2CV10B-3/2CV04015S	F.TEST	PASS	Service Life Monitoring Testing
F-A	2CV06004S	2CVB7A-3/2CV06004S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2CV08006S	2CV05CB-6/2CV08006S	F.TEST	PASS	2nd Expansion Sample (Type-1 Group) due to failure of 2RC16002S
F-A	2CV08010S	2CV05CB-6/2CV08010S	F.TEST	PASS	2nd Expansion Sample (Type-1 Group) due to failure of 2RC16002S
F-A	2CV08011S	2CV05CB-6/2CV08011S	F.TEST	PASS	Service Life Monitoring Testing
F-A	2CV08013S	2CV05CB-6/2CV08013S	F.TEST	PASS	Service Life Monitoring Testing
F-A	2CV15055S	2CVA3B-2/2CV15055S	F.TEST	PASS	3rd Expansion Sample (Type-1 Group) due to failure of 2SD01005S
N/A	2CV22002S	2CV10CA-3/2CV22002S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2CV22009S	2CV45B-2/2CV22009S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
N/A	2CV23005S	2CVB7BA-3/2CV23005S	F.TEST	PASS	Original Scope
F-A	2CV25012S	2CVA7AA-2/2CV25012S	F.TEST	PASS	1st Expansion Sample (Type-1 Group) due to failure of 2SD01003S

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers  
Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

**Snubber Outage Summary**

(Page 3 of 10)

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

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
N/A	2CV31020S	2CV15E-3/4/2CV31020S	F.TEST	PASS	Service Life Monitoring Testing
N/A	2CV36006S	2CV14EB-2/2CV36006S	F.TEST	PASS	3rd Expansion Sample (Type-1 Group) due to failure of 2SD01005S
N/A	2CV40007S	2CV14EC-2/2CV40007S	F.TEST	PASS	3rd Expansion Sample (Type-1 Group) due to failure of 2SD01005S

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers

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

## Snubber Outage Summary (Page 4 of 10)

SYSTEM: Feedwater System (FW)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A	2FW06013S	2FW87CA-6/2FW06013S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2FW07005S	2FW87CB-6/2FW07005S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2FW07006S	2FW87CB-6/2FW07006S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2FW07014S	2FW87CB-6/2FW07014S	F.TEST	PASS	Orginal Scope

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers

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

**Snubber Outage Summary**  
(Page 5 of 10)**SYSTEM: Main Steam System (MS)**

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A	2MS01106S	2MS07AC-28/2MS01106S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2MS05007-S1	2MS01AA-30.25/2MS05007-S1	F.TEST	PASS	Original Scope
F-A	2MS05007-S2	2MS01AA-30.25/2MS05007-S2	F.TEST	PASS	Original Scope

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers

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

## Snubber Outage Summary (Page 6 of 10)

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A	2CV09034S	2RC14AC-2/2CV09034S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2CV11003S	2RC14AA-2/2CV11003S	F.TEST	FAIL	Original Scope, snubber failed causing 1st (Type-2 Group) expansion sample
F-A	2RC01BA-A	2RC01BA-2A/2RC01BA-A	F.TEST	PASS	Original Scope
F-A	2RC16002S	2RC22AA-1.5/2RC16002S	F.TEST	FAIL	Original Scope, snubber failed causing 2nd expansion sample
N/A	2RC16004S	2RC08AA-3/4/2RC16004S	F.TEST	PASS	Original Scope
N/A	2RC16006S	2RC08AA-3/4/2RC16006S	F.TEST	PASS	Original Scope
N/A	2RC90B008S	2RC48BB-1/2/2RC90B008S	F.TEST	PASS	3rd Expansion Sample (Type-1 Group) due to failure of 2SD01005S
N/A	2RC90C015S	2RC48BC-1/2/2RC90C015S	F.TEST	PASS	3rd Expansion Sample (Type-1 Group) due to failure of 2SD01005S

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers  
 Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

## Snubber Outage Summary (Page 7 of 10)

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A	2RH02003S	2RH01AB-12/2RH02003S	F.TEST	PASS	Original Scope
F-A	2RH02013S	2RH01AB-12/2RH02013S	F.TEST	PASS	Original Scope
F-A	2RH02059S	2RH01AA-12/2RH02059S	F.TEST	PASS	Original Scope
N/A	2RH02115S	2RH26AB-3/4/2RH02115S	F.TEST	PASS	2nd Expansion Sample (Type-1 Group) due to failure of 2RC16002S
N/A	2RH02116S	2RH26AB-3/4/2RH02116S	F.TEST	PASS	2nd Expansion Sample (Type-1 Group) due to failure of 2RC16002S
N/A	2RH02117S	2RH26AA-3/4/2RH02117S	F.TEST	PASS	1st Expansion Sample (Type-1 Group) due to failure of 2SD01003S
N/A	2RH02120S	2RH26AA-3/4/2RH02120S	F.TEST	PASS	1st Expansion Sample (Type-1 Group) due to failure of 2SD01003S
N/A	2RH02121S	2RH26AA-3/4/2RH02121S	F.TEST	PASS	Service Life Monitoring Testing
F-A	2RH07017-S1	2RH02AA-8/2RH07017-S1	F.TEST	PASS	Original Scope
F-A	2RH07017-S2	2RH02AA-8/2RH07017-S2	F.TEST	PASS	Original Scope

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers  
 Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

## Snubber Outage Summary (Page 8 of 10)

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
N/A	2RC91001S	2RY34CD-1/2/2RC91001S	F.TEST	PASS	3rd Expansion Sample (Type-1 Group) due to failure of 2SD01005S
F-A	2RY06011S	2RY01AB-4/2RY06011S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2RY09005S	2RY02B-3/2RY09005S	F.TEST	PASS	Original Scope
F-A	2RY09012S	2RY06A-3/2RY09012S	F.TEST	PASS	Original Scope
F-A	2RY09078S	2RY06A-3/2RY09078S	F.TEST	PASS	Original Scope

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers

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

## Snubber Outage Summary

(Page 9 of 10)

SYSTEM: Steam Generator Blowdown System (SD)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
N/A	2SD01003S	2SD01CB-2/2SD01003S	F.TEST	FAIL	Original Scope (Type-1 Group), snubber failed causing 1st expansion sample
N/A	2SD01005S	2SD01CB-2/2SD01005S	F.TEST	FAIL	1st Expansion Sample (Type-1 Group) causing 3rd expansion sample
N/A	2SD05002-S1	2SD01CF-2/2SD05002-S1	F.TEST	PASS	1st Expansion Sample (Type-1 Group) due to failure of 2SD01003S
N/A	2SD05002-S2	2SD01CF-2/2SD05002-S2	F.TEST	PASS	1st Expansion Sample (Type-1 Group) due to failure of 2SD01003S
N/A	2SD06001S	2SD01CE-2/2SD06001S	F.TEST	PASS	Original Scope
N/A	2SD21034S	2SD01CA-2/2SD21034S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
N/A	2SD21036S	2SD01CB-2/2SD21036S	F.TEST	PASS	2nd Expansion Sample (Type-1 Group) due to failure of 2RC16002S
N/A	2SD24026S	2SD01CD-2/2SD24026S	F.TEST	PASS	1st Expansion Sample (Type-1 Group) due to failure of 2SD01003S

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers  
 Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables

## Snubber Outage Summary (Page 10 of 10)

### SYSTEM: Safety Injection System (SI)

Section XI Cat.	ISI Identifier Comments	Line Number / EPN	Exam Summary	Results	Comments
F-A	2SI03001S	2SI09BD-10/2SI03001S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2SI06266S	2SI06BB-24/2SI06266S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
N/A	2SI13027S	2SI03CB-2/2SI13027S	F.TEST	PASS	3rd Expansion Sample (Type-1 Group) due to failure of 2SD01005S
F-A	2SI18A049S	2SI02BA-6/2SI18A049S	F.TEST	PASS	1st Expansion Sample (Type-2 Group) due to failure of 2CV11003S
F-A	2SI20003S	2SI08JC-1.5/2SI20003S	F.TEST	PASS	Orginal Scope
F-A	2SI22018S	2SI08JD-1.5/2SI22018S	F.TEST	PASS	2nd Expansion Sample (Type-1 Group) due to failure of 2RC16002S
F-A	2SI22020S	2SI08JD-1.5/2SI22020S	F.TEST	PASS	2nd Expansion Sample (Type-1 Group) due to failure of 2RC16002S

Note: Relief Request I2-R13, applies to all Technical Requirement Manual Snubbers  
 Note: Section XI Category numbers N/A-ed are exempt from IWF-1220 and IWF-2500 tables









# B2R10

## 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) 200 Exelon Way Kennett Square, PA 19348  
(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: Two (2)

4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87

6. National Board Number of Unit: N-200

7. Components Inspected: Reactor Coolant System Piping Welds & Components (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province Number	National Board Number
Cat.2 / R1.11 2RC14AA-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.2 / R1.11 2RC16AA-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.2 / R1.11 2RC16AB-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.2 / R1.11 2RC21AA-8"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.2 / R1.11 2RC30AA-1½"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.2 / R1.11 2RC35AA-6"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC01AA-29"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC03AA-27½"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat 4 / R1.20 2RC13AA-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC13AB-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC13AC-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC13AD-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC16AC-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC16AD-2"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC21AA-8"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable
Cat.4 / R1.20 2RC22AA-1½"	Hunter Corporation	2-RC-1-N5	Not Applicable	Not Applicable

















# B2R10

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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: Two (2) 4. Owner Certificate of Authorization. N/A

5. Commercial Service Date: 08/21/87 6. National Board Number of Unit: N-200

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 2RH-02-AA	Joseph Oat Corporation	2267-1C	U-201439	838
C2.33 2RH-02-AB	Joseph Oat Corporation	2267-1D	U-201440	839
C7.10 2CV01AA	Atlas Manufacturing	3200	U-201403	2577
C7.10 2CV01AB	Atlas Manufacturing	3201	U-201404	2578
C7.10 2CV01FA	Pall Trinity Micro	38306	N/A	21088
C7.10 2CV01FB	Pall Trinity Micro	38308	N/A	21090
C7.10 2CV01T	Westinghouse Corporation	N/A	U-201407	186
C7.10 2CV02A	Atlas Manufacturing	3455	U-201408	2828
C7.10 2CV02F	Pall Trinity Micro	24728	N/A	12281
C7.10 2CV04AA	Westinghouse Corporation	J-2268-1C	U-201412	907
C7.10 2CV04AB	Westinghouse Corporation	J-2268-1D	U-201413	908
C7.10 2CV05A	Atlas Manufacturing	3230	U-201414	2608
C7.10 2RH-02-AA	Joseph Oat Corporation	2267-1C	U-201439	838
C7.10 2RH-02-AB	Joseph Oat Corporation	2267-1D	U-201440	839

# B2R10

## 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: Two (2)

4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87

6. National Board Number of Unit: N-200

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
C7.30 CS-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CS-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CS-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CS-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CS-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-7	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-8	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-9	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 CV-2-10	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 FC-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 PR-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable

# B2R10

## 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: Two (2)

4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87

6. National Board Number of Unit: N-200

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
C7.30 PS-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 PS-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 PS-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 PS-2-6	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RC-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RE-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RE-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RE-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RF-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RH-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RH-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RH-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RH-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RH-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RH-2-6	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable

# B2R10

## 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) 200 Exelon Way Kennett Square, PA 19348  
(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: Two (2) 4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87 6. National Board Number of Unit: N-200

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
C7.30 RY-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RY-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RY-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 RY-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SD-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SI-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SI-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SI-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SI-2-6	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SI-2-7	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SI-2-8	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 SI-2-9	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 VQ-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 VQ-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 VQ-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 VQ-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 WM-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable

# B2R10

## 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) 200 Exelon Way Kennett Square, PA 19348  
(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: Two (2)

4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87

6. National Board Number of Unit: N-200

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
C7.30 WO-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.30 WO-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.50 2CS01PA	Ingersoll Rand Corporation	1076124	N/A	341
C7.50 2CS01PB	Ingersoll Rand Corporation	1076125	N/A	342
C7.50 2CV-01-PA	Pacific Pump	49772	N/A	204
C7.50 2CV-01-PB	Pacific Pump	49773	N/A	207
C7.50 2CV-02-P	Gaulin Corporation	641345-1	N/A	354
C7.50 2RH-01-PA	Ingersoll Rand Corporation	127430	N/A	161
C7.50 2RH-01-PB	Ingersoll Rand Corporation	127431	N/A	156
C7.50 2SI-01-PA	Pacific Pump	49760	N/A	236
C7.50 2SI-01-PB	Pacific Pump	49761	N/A	237
C7.70 CS-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CS-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CS-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CS-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CS-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable

# B2R10

## 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) 200 Exelon Way Kennett Square, PA 19348  
(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: Two (2) 4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87 6. National Board Number of Unit: N-200

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
C7.70 CV-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-6	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-7	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-8	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-9	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 CV-2-10	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 FC-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 PR-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 PS-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 PS-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 PS-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 PS-2-6	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RC-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable

# B2R10

## 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) 200 Exelon Way Kennett Square, PA 19348  
(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: Two (2)

4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87

6. National Board Number of Unit: N-200

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
C7.70 RE-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RE-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RE-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RF-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RH-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RH-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RH-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RH-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RH-2-5	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RH-2-6	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RY-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RY-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RY-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 RY-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 SD-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable

# B2R10

## 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) 200 Exelon Way Kennett Square, PA 19348  
(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: Two (2)

4. Owner Certificate of Authorization: N/A

5. Commercial Service Date: 08/21/87

6. National Board Number of Unit: N-200

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
C7.70 SI-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 SI-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 SI-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 SI-2-6	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 SI-2-7	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 SI-2-8	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 SI-2-9	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 VQ-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 VQ-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 VQ-2-3	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 VQ-2-4	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 WM-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 WO-2-1	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable
C7.70 WO-2-2	Hunter Corporation	Not Applicable	Not Applicable	Not Applicable



# B2R10

## FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

8. Examination Dates: April 22, 2001 to October 7, 2002

9. Inspection Interval: August 16, 1998 to August 21, 2007

10. Abstract of Examination.

Include a list of examinations and a statement concerning status of work required for current interval.  
Refer to the Outage Summary Report and ISI Program Plan.

11. Abstract of Conditions Noted.

Refer to the Outage Summary Report.

12. Abstract of Corrective Measures Recommended and Taken.

Refer to the Outage Summary Report.

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code, Section XI.

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

Date: 1/2/03 Signed For: Exelon Generation Company

By: Kenneth N. Kovar / K. M. Krom

### 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 this Owner's Report during the period 04/22/01 to 10/07/02, and state that to the best of my knowledge and belief, the owner has performed examinations and taken corrective measures described in this Owners Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in the Owner's Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

  
Inspectors Signature

Commissions: ILL-1254 Date: 1/2, 20 03

National Board, State, Province, and Endorsements

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 1 of 6)

1. Owner: Exelon Generation Company, (LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200,
7. Components Inspected: Containment Spray System (CS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SUPPORT	HUNTER CORPORATION	2CS02AB-10/2CS03B017X	N/A	N/A
SUPPORT	HUNTER CORPORATION	2CS10AA-6/2CS03A030X	N/A	N/A

Component Supports examined in accordance with Code Case N-491-1

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 2 of 6)

1. Owner: Exelon Generation Company, (LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SUPPORT	HUNTER CORPORATION	2CV05B-8/2CV08035X	N/A	N/A
SUPPORT	HUNTER CORPORATION	2CV05B-8/2CV47003X	N/A	N/A
SUPPORT	HUNTER CORPORATION	2CV05CB-6/2CV08001X	N/A	N/A
SUPPORT	HUNTER CORPORATION	2CV08BA-4/2CV01A007X	N/A	N/A

Component Supports examined in accordance with Code Case N-491-1

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

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## FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As Required by the Provisions of the ASME Code Rules

(Page 3 of 6)

1. Owner: Exelon Generation Company, (LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2RC14AC-2/2CV09028S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC14AC-2/2CV09029S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC16AD-2/2CV14001S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC22AA-1.5/2RC16002S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC22AA-1.5/2RC16011S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC22AA-1.5/2RC16012S	N/A	N/A
SUPPORT	HUNTER CORPORATION	2RC37A-3/2CV02001X	N/A	N/A

Component Supports examined in accordance with Code Case N-491-1

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 4 of 6)

1. Owner: Exelon Generation Company, (LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Residual Heat Removal System (RH)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SUPPORT	HUNTER CORPORATION	2RH01AA-12/2RH02058X	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH01AA-12/2RH02059S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH01AA-12/2RH02068S	N/A	N/A
SUPPORT	HUNTER CORPORATION	2RH02AA-8/2RH07004R	N/A	N/A
SUPPORT	HUNTER CORPORATION	2RH02AA-8/2RH07009X	N/A	N/A
SUPPORT	HUNTER CORPORATION	2RH02AA-8/2RH07016V	N/A	N/A
SUPPORT	HUNTER CORPORATION	2RH03AA-8/2RH01010X	N/A	N/A

Component Supports examined in accordance with Code Case N-491-1

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 5 of 6)

1. Owner: Exelon Generation Company, (LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SUPPORT	HUNTER CORPORATION	2SI01B-24/2SI06201X	N/A	N/A

Component Supports examined in accordance with Code Case N-491-1

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules  
(Page 6 of 6)

(BACK)

8. Examination Dates 04/22/01 to 10/07/02

9. Inspection Interval: 08/16/98 to 08/21/07

10. Abstract of Examination.

Include a list of examinations and a statement concerning status of work required for current interval.  
Refer to the Outage Summary Report and ISI Program Plan

11. Abstract of Conditions Noted.

Refer to the Outage Summary Report

12. Abstract of Corrective Measures Recommended and Taken.

Refer to the Outage Summary Report

We certify that the statements made in this report are correct and the examination and corrective measures taken conform to the rules of ASME Code, Section XI.

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

Date: 1/2/03 Signed for: Exelon Generation Company

By: Kenneth N. Kovar / Kenneth M. Kovar

**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 04/22/01 to 10/07/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
Inspectors Signature

Commissions: ILL-1254 Date: 1/2, 20 03

National Board, State, Province, and Endorsements

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 1 of 11)

- 
1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200'
7. Components Inspected: Containment Spray System (CS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2CS03A007S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CS03A012S	N/A	N/A

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  
(Page 2 of 11)

1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2CV02006S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV04002S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV04012S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV04015S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV06004S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV08006S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV08010S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV08011S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV08013S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV15055S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV22002S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV22009S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV23005S	N/A	N/A

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

(Page 3 of 11)

- 
1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Chemical & Volume Control System (CV)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2CV25012S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV31020S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV36006S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV40007S	N/A	N/A

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 4 of 11)

- 
1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2FW06013S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2FW07005S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2FW07006S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2FW07014S	N/A	N/A

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

(Page 5 of 11)

- 
1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Main Steam System (MS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2MS01106S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2MS05007-S1	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2MS05007-S2	N/A	N/A

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

(Page 6 of 11)

1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Reactor Coolant System (RC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2CV09034S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2CV11003S	N/A	N/A
SNUBBER	BOEING	2RC01BA-A	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC16002S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC16004S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC16006S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC90B008S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RC90C015S	N/A	N/A

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 7 of 11)

1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200<sup>1</sup>
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.
SNUBBER	PACIFIC SCIENTIFIC	2RH02003S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH02013S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH02059S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH02115S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH02116S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH02117S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH02120S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH02121S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH07017-S1	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RH07017-S2	N/A	N/A

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

(Page 8 of 11)

1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Reactor Coolant System (RY)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2RC91001S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RY06011S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RY09005S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RY09012S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2RY09078S	N/A	N/A

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 9 of 11)

1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Steam Generator Blowdown System (SD)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2SD01003S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SD01005S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SD05002-S1	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SD05002-S2	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SD06001S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SD21034S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SD21036S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SD24026S	N/A	N/A

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 10 of 11)

1. Owner: Exelon Generation Company,(LLC), 200 Exelon Way, Kennett Square, PA 19348  
(Name and Address of Owner)
2. Plant: Byron Nuclear Power Station, 4450 North German Church Road, Byron, Illinois 61010  
(Name and Address of Plant)
3. Plant Unit: 2                      4. Owner Certificate Of Authorization                      N/A
5. Commercial Service Date: 08/21/87                      6. National Board Number for Unit: N-200
7. Components Inspected: Safety Injection System (SI)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
SNUBBER	PACIFIC SCIENTIFIC	2SI03001S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SI06266S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SI13027S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SI18A049S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SI20003S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SI22018S	N/A	N/A
SNUBBER	PACIFIC SCIENTIFIC	2SI22020S	N/A	N/A

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

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**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**

As Required by the Provisions of the ASME Code Rules

(Page 11 of 11)

(BACK)

8. Examination Dates 04/22/01 to 10/07/02

9. Inspection Interval: 08/16/98 to 08/21/07

10. Abstract of Examination.

Include a list of examinations and a statement concerning status of work required for current interval.  
Refer to the Outage Summary Report and ISI Program Plan

11. Abstract of Conditions Noted.

Refer to the Outage Summary Report

12. Abstract of Corrective Measures Recommended and Taken.

Refer to the Outage Summary Report

We certify that the statements made in this report are correct and the examination and corrective measures taken conform to the rules of ASME Code, Section XI.

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

Date: 1/2/03 Signed for: Exelon Generation Company

By: Kenneth N. Kovar / Kent M. Kra

**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 04/22/01 to 10/07/02, 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.

*[Signature]*  
Inspectors Signature

Commissions: ILL-1254 Date: 1/2, 20 03

National Board, State, Province, and Endorsements

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 09/24/02  
 Name  
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 2  
 Address
2. Plant Byron Nuclear Power Station Unit 02  
 Name  
4450 N. German Church Rd. Byron, IL 61010 WORK ORDER 00487997-01  
 Address Repair Organization P.O., Job No., etc
3. Work Performed By HP5 & Venture 9m 12/4/02 DAS 12/4/02  
Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
555 S. JOLIET RD. BOLINGBROOK, IL. 60440 Authorization No. Not Applicable  
 Address Expiration Date Not Applicable
4. Identification of System CV SYSTEM
5. (a) Applicable Construction Code Section III 19 74 Edition, S74 Addenda, Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89  
 (c) Section XI code Cases used, N/A
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER	PACIFIC SCIENTIFIC	13061	N/A	2CV04002S	1981	REPLACED	YES
SNUBBER	LISEGA	01615143/008	N/A	2CV04002S	2001	REPLACEMENT	YES

7. Description of Work REPLACE FAILED SNUBBER.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 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 8 1/2 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed Scott Esposito Scott Esposito Date 9-29, 20 02  
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 of Province of Illinois and employed by H.S.B. CT. of Hartford, CT. Have inspected the components described in this Owner's Report during the period 9/24/02 to 10/7/02, 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]  
Inspector's Signature

Commissions

122-1254  
National Board, State, Province, and Endorsements

Date October 7, 20 02

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

1. Owner Exelon Nuclear Date 09/26/02  
Name  
4300 Winfield Rd. Warrenville, Il. 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 384592-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System CV
5. (a) Applicable Construction Code Section III 19 86 Edition, 87 Addenda, NO Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
VALVE	KSB	190884/13	122	2CV8350	1990	REPLACED	YES
VALVE	KSB	190884/10	119	2CV8350	1990	REPLACEMENT	YES

7. Description of Work REPLACE VALVE LIKE FOR LIKE
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 2238 psi Test Temp. 559 °F

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 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 Invoked Code Case N-416-1

WO 00384592-01

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed

 RRR Coord.  
Owner or Owner's Designer, Title

Date 10/7, 2002

**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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 4/12/02 to 10/7/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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

122-1254  
National Board, State Province, and Endorsements

Date Oct. 7, 20 02

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 9-24-02  
Name \_\_\_\_\_  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 2  
Address \_\_\_\_\_
2. Plant Byron Nuclear Power Station Unit 02  
Name \_\_\_\_\_  
4450 N. German Church Road, Byron **WORK ORDER: 00486642-01**  
Address \_\_\_\_\_ Repair Organization P.O., Job No., etc \_\_\_\_\_
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
Address 555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Expiration Date Not Applicable
4. Identification of System CHEMICAL VOLUME & CONTROL SYSTEM
- 5 (a) Applicable Construction Code ASME SECTION III 1974 Edition, S74 Addenda, Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  
(c) Section XI code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER, PSA-1	PACIFIC-SCIENTIFIC	1537	N/A	2CV04012S	1977	Replaced	YES
SNUBBER, 303856RF1	LISEGA	02615163/012	N/A	2CV04012S	2002	Replacement	YES

7. Description of Work REPLACED SNUBBER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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 8 1/2 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and replacement conform to the  
rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Scott Esposito *Scott Esposito* Date 9-29-2002  
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 of Province of Ill. and employed by HSB CT  
Hartford, CT  
of Hartford, CT have inspected the components described in this Owner's Report during the period 9/24/02 to  
9/30/02, 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.

*John M. [Signature]*  
Inspector's Signature

Commissions ILL-1254  
National Board, State, Province, and Endorsements

Date 9/30, 10 2002



**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 2 of 4**

9. Remarks Work Order 487940-02  
Applicable Manufacturer's Data Reports to be attached

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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conform to the  
repair or replacement  
rules of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David A. Silver Date 10-14, 20 02  
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 of Province of Illinois and employed by H.S.B. CT. of Hartford, CT. Have inspected the components described in this Owner's Report during the period 9/29/02 to 10/14/02, 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.

J. H. Miller Commissions 121-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date October 14, 20 02

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 9-17-02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron **WORK ORDER: 00391179-01**  
Address Repair Organization P.O., Job No., etc
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
Address 555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Expiration Date Not Applicable
4. Identification of System CHEMICAL VOLUME & CONTROL SYSTEM
- 5 (a) Applicable Construction Code ASME SECTION III 1974 Edition, S74 Addenda, 1644 Rev. 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180, N-108 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  
(c) Section XI code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER, PSA-1	PACIFIC-SCIENTIFIC	10054	N/A	2CV11003S	1980	Replaced	YES
SNUBBER, PSA-1	PACIFIC-SCIENTIFIC	10408	N/A	2CV11003S	1980	Replacement	YES

7. Description of Work REPLACED SNUBBER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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 8 1/2 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and replacement conform to the repair or replacement rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Scott Esposito Date 9-28-2002  
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 of Province of ILL. and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/17/02 to 9/30/02, 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.

Scott Esposito Commissions ILL-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/30, 2002

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

1. Owner Exelon Nuclear Date 9/9/02  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 453292-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System CV - Chemical & Volume Control
5. (a) Applicable Construction Code Section III 19 71 Edition, S73 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
2" SA-312 TP 304 PIPE	Consolidated Power Supply	HT: 29628	N/A	2CV01DA	2002	REPLACEMENT	NO
2" SA-182 F304 S.W. FLANGE	WFI Nuclear Products	HT: 640TNE	N/A	2CV01DA	1991	REPLACEMENT	NO
2" SA-182 F304 BLIND FLANGE	Consolidated Power Supply	HT: 1726ANE	N/A	2CV01DA	2002	REPLACEMENT	NO
5/8"-11 BOLTS	Nova Machine Products	HT: 67741 Code NEH	N/A	2CV01DA	2001	REPLACEMENT	NO
5/8"-11 NUTS	Nova Machine Products	HT: B87035 Code: VCF	N/A	2CV01DA	2000	REPLACEMENT	NO
5/8"-11 BOLTS	Nova Machine Products	HT: 67741 Code: NEH	N/A	2CV01DA	2000	REPLACEMENT	NO
3 X 2" PIPE REDUCER	Taylor Forge Stainless	HT: LWQR-2	N/A	2CV01DA	2002	REPLACEMENT	NO
PIPE 3" SCHED 40	Consolidated Power Supply	HT: 30016	N/A	2CV01DA	2002	REPLACEMENT	NO

7. Description of Work INSTALL 2" INSPECTION PORT on Vessel 2CV01DA (s/n N-2308.40, NB no. 73191)
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 128 psi Test Temp. 108 °F

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 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.

9. Remarks Invoked Code Case N-416-1

WO 00453292-01

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

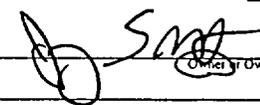
**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed  RRR Coord

Date 10/29, 2002

**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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 6/27/02 to 10/29/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 166-1254  
National Board, State Province, and Endorsements

Date Oct. 29, 2002

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

1. Owner Exelon Nuclear Date 9/21/01  
Name  
4300 Winfield Rd., Warrenville, IL, 60556  
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 99269538-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P O No, Job No, etc.  
4450 N. German Church Road, Byron, IL. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Boric Acid (AB)
5. (a) Applicable Construction Code Section III 1974 Edition, S/75 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89/NA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
Suction Flange Studs	Texas Bolt Co.	Heat Number G084	N/A	Spool Piece AB-11-1, 2AB03P	1984	REPLACED	NO
Suction Flange Studs	Nova Machine Products	Heat Number 99694	N/A	Cat. ID# 25042, 2AB03P	2000	REPLACEMENT	NO
Suction Flange Nuts	Texas Bolt Co.	Heat Number G095	N/A	Spool Piece AB-11-1, 2AB03P	1984	REPLACED	NO
Suction Flange Nuts	Nova Machine Products	Heat Number 8077124	N/A	Cat ID# 37029, 2AB03P	2000	REPLACEMENT	NO

7. Description of Work: REPLACE SUCTION FLANGE STUDS AND NUTS
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
*N/A*  
*12/14/01*

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 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.

9. Remarks 9926953A-01  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed [Signature] ISI Engr Date 10/16, 2001  
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 H.S.B.I.I. Co of Hartford, Ct. have inspected the components described in this Owner's Report during the period 8/13/01 to 10/16/01, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 122-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Oct. 16, 2001

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

1. Owner Exelon Nuclear Date 9/13/02  
Name  
4300 Winfield Rd. Warrenville, Il. 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 00  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 00446402-01  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
4450 N. German Church Road, Byron, Il. Expiration Date Not Applicable  
Address
4. Identification of System [AB] BORIC ACID

5. (a) Applicable Construction Code Section III 19 71 Edition, W/72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
PUMP CASING	ALLOY STEEL CASTING	S/N:19853-91	N/A	0AB01PB	1975	REPLACED	YES
CASING BOLTING	KEYSTONE NUT & BOLT	N/A	N/A	0AB01PB	1975	REPLACED	NO
TUBE FITTING ELBOW	METAL GOODS	N/A	N/A	0AB01PB	1975	REPLACED	NO
CIRCULATION LINE	WALL TUBE & METAL	N/A	N/A	0AB01PB	1975	REPLACED	NO
DRAIN PIPE	SANDVIK	N/A	N/A	0AB01PB	1975	REPLACED	NO
PUMP CASING	CRANE CHEM PUMP	S/N: 0040714-1 HT: B-7271-01	N/A	0AB01PB Casing HT Code: GEO0	2000	REPLACEMENT	YES
PUMP CASING BOLTING 3" (9)	NOVA MACHINE PRODUCTS	HT: 67741	N/A	0AB01PB	2000	REPLACEMENT	NO
PUMP CASING BOLTING 5" (3)	NOVA MACHINE PRODUCTS	HT: 84413	N/A	0AB01PB	2000	REPLACEMENT	NO
PUMP CASING NUTS (12)	NOVA MACHINE PRODUCTS	HT: 8970515	N/A	0AB01PB	2000	REPLACEMENT	NO
TUBE FITTING ELBOW	CRANE CHEM PUMP	HT CODE: 001523	N/A	0AB01PB	2000	REPLACEMENT	NO
CIRCULATION TUBE	CRANE CHEM PUMP	HT: E37645 CODE: FTD7	N/A	0AB01PB	2000	REPLACEMENT	NO
PP ASSY LESS CASING	CRANE CHEM PUMP	21927-10A	N/A	0AB01PB	1977	REPLACED	YES
PP ASSY LESS CASING	CRANE CHEM PUMP	19853-123	N/A	0AB01PB	1975	REPLACEMENT	YES

7. Description of Work REPLACE PP ASSY., CASING, DRAIN LINE, BOLTING AND RECIRC LINE & FITTINGS

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure

Other  Pressure 145 psi Test Temp. Ambient °F

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 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 00446402-01  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed [Signature] RRR Coord Date 10/30, 2002  
Owner or Owner's Designer, 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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 7/3/02 to 10/30/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 111-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Oct. 30, 2002

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI  
**Page 1 of 4**

1. Owner EXELON NUCLEAR Date 09/26/02  
Name  
4300 WINFIELD RD. WARRENVILLE, IL. 60555 Sheet 1 of 1  
Address
2. Plant BYRON NUCLEAR POWER STATION Unit 02  
Name  
4450 GERMAN CHURCH RD., BYRON, IL. 00412257-15  
Address Repair Organization P.O., Job No., etc
3. Work Performed BYRON MECHANICAL MAINTENANCE Type Code Symbol Stamp  
N/A  
Authorization No. N/A  
4450 GERMAN CHURCH RD., BYRON, IL. Expiration Date N/A  
Address
4. Identification of System (CV) CHEMICAL AND VOLUME CONTROL
- 5 (a) Applicable Construction Code SECTION III 1971 Edition, W/72 Addenda, NONE Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  
(c) Section XI code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CHECK VALVE	KEROTEST MANUF. CORP.	MA7-13	<del>9531</del> 9535 THRU 9536 9/26/02	2CV8442	1976	REPAIRED	YES

7. Description of Work Seal weld valve cap to bonnet
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks work order 412257-15  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and repair conform to the  
rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed David A. Silver Date 10/30, 20 02  
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 of Province of ILL. and employed by HSB CT

of Hartford, CT have inspected the components described in this Owner's Report during the period 9/6/02 to 10/30/02 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.

J. [Signature]  
Inspector's Signature

Commissions 122-1254  
National Board, State, Province, and Endorsements

Date Oct. 30, 2002

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 09/28/02  
 Name  
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 1  
 Address
2. Plant Byron Nuclear Power Station Unit 02  
 Name  
4450 N. German Church Rd. Byron, IL 61010 W/O 00412257-16  
 Address Repair Organization P.O., Job No., etc
3. Work Performed By Byron Mechanical Maintenance  
 Type Code Symbol Stamp Not Applicable  
4450 N. German Church Rd. Byron, IL 61010 Authorization No. Not Applicable  
 Address Expiration Date Not Applicable
4. Identification of System [CV] CHEMICAL and VOLUME CONTROL
5. (a) Applicable Construction Code Section III 19 74 Edition, S75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89  
 (c) Section XI code Cases used, N-416-1
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
COUPLING	CONSOLIDATED POWER SUPPLY	UTC#2052803/HT CODE JBF	N/A	CAT ID# 26540	1997	REPLACEMENT	NO
Pipe Weld # 6613	Hunter Corp.	N/A	N/A	LINE# 2CV81A 2-CV-2-N5	1985	REPLACED	NO
Pipe Weld #6613	Exelon	N/A	N/A	2CV81A	2002	REPLACEMENT	NO

7. Description of Work REMOVE PIPE SPOOL TO SUPPORT VLV INSP. ADD PIPE COUPLING AND REWELD PIPE/VLV SPOOL ASSY.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 61 psi Test Temp. 77 °F

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 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.

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 2 of 4**

9. Remarks Work Order 412257-16, used ASME Section XI Code Case N-416-1. Pipe Weld # 6613 cut out and replaced per the referenced Work Order.  
Applicable Manufacturer's Data Reports to be attached
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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David A. Nibler Date 10/30, 20 02  
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 of Province of Illinois and employed by H.S.B. CT. of Hartford, CT. Have inspected the components described in this Owner's Report during the period 9/20/02 to 10/30/02, 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.

J. H. Smith Commissions 122-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date October 30, 20 02



9. Remarks WO 99272618-01  
Applicable Manufacturer's Data Reports to be attached

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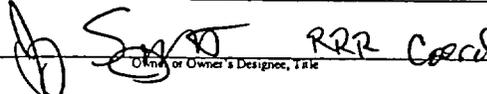
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**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed  Date 10/22, 2002  
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 H.S.B. CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 5/10/02 to 10/22/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 126-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Oct. 22, 2002

As Required by the Provisions of the ASME Code Section XI  
Page 1 of 4

1. Owner Exelon Nuclear Date 11-13-02  
Name  
4300 Winfield Rd. Warrenville, IL 60555  
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Rd. Byron, IL 61010 Address EXELON  
Repair Organization P.O., Job No., etc
3. Work Performed By Byron Mechanical Maintenance  
Type Code Symbol Stamp Not Applicable  
4450 N. German Church Rd. Byron, IL 61010 Address Authorization No. Not Applicable  
Expiration Date Not Applicable
4. Identification of System [CV] CHEMICAL VOLUME
5. (a) Applicable Construction Code Section III 19 71 Edition, W/7 Addenda, NA Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89  
(c) Section XI code Cases used, N/A
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DISCHARGE HEAD	PACIFIC PUMP	DISCH HD S/N: 68823-D1-AB	N/A	ETN: 2CV01PB PP S/N: 49773	1976	REPAIR	YES

7. Description of Work REPAIR DAMAGED O-RING SURFACE ON DISCHARGE HEAD

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2649 psi Test Temp. 96 °F

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 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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks WORK ORDER 509078-07.  
Applicable Manufacturer's Data Reports to be attached  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conform to the  
rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David A. Silver Date 11-20, 20 02  
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 of Province of Illinois and employed by H.S.B. CT. of Hartford, CT. Have inspected the components described in this Owner's Report during the period 11/13/02 to 11/21/02, 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 122-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date November 21, 20 02

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

1. Owner Exelon Nuclear Date 11/28/01  
Name  
4300 Winfield Rd. Warrenville, IL. 60555  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 99271688-03  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O No., Job No., etc.  
4450 N. German Church Road, Byron, IL. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System DG - EMERGENCY DIESEL GENERATOR
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
JACKET WATER COOLER	AMERICAN STANDARD	9-20003-07-6	33538	EPN:2DG01KB-X2 LOWER COOLER	1979	REPAIRED	YES

JRS 12/23/01

7. Description of Work MACHINE WELD REPAIR FLANGE FACE OF LOWER CHANNEL HEAD.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 97 psi Test Temp. 67.7 °F

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 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 <sup>JRS</sup> ~~CODE CASE: N-416-1~~ <sup>12/23/01</sup> WO 99271688-03  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed [Signature] ISI Engr  
Owner or Owner's Designer, Title

Date 12/23, 2001

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 H.S.B. I&I Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11/27/01 to 1/2/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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]  
Inspector's Signature

Commissions 166-1254  
National Board, State Province, and Endorsements

Date Jan 2, 2002

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

1. Owner Exelon Nuclear Date 12/3/01  
Name  
4300 Winfield Rd. Warrenville, IL. 60555  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL Work Request No. 99271684-03  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, IL Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System DG - EMERGENCY DIESEL GENERATOR
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
JACKET WATER COOLER	AMERICAN STANDARD	9-20003-06-6	33534	EPN.2DG01KB-X1 UPPER COOLER	1979	REPAIRED	YES

7. Description of Work <sup>JRS 12/3/01</sup> MACHINE WELD REPAIR FLANGE FACE OF CHANNEL HEAD.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 97 psi Test Temp. 67.7 °F

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 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 CODE CASE N-416-1 JRS 12/23/01 WO 99271684-03  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed [Signature] ISI Engr Date 12/23, 2001  
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 H.S.B. I.&I. Co. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11/22/01 to 1/2/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 111-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Jan. 2, 20 02

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

1. Owner Exelon Nuclear Date 01/28/02  
Name  
4300 Winfield Rd, Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Order 99021051-07  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P O No , Job No , etc  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Diesel Generator (DG)
5. (a) Applicable Construction Code Section III 1974 Edition, S75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
JW HX Floating Channel Head	American Standard	9-20003-06-5	33533	Equip# 2DG01KA-X1 Upper Cooler	1979	Repair	Yes

7. Description of Work: Repair of Floating Channel Head
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 7.6 psi Test Temp. 73 °F

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 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 REPAIRED PER WORK ORDER 99021051-07  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

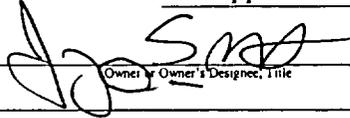
We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

  
Owner or Owner's Designee, Title

Date

9/9, 2002

**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 01-09-2002 to 09-10-2002, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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

11557 AVE D1803  
National Board, State Province, and Endorsements

Date

09-10, 2002

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

1. Owner Exelon Nuclear Date 01/29/02  
Name  
4300 Winfield Rd, Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Order No. 99021051-08  
Address Repair Organization, P.O. No., Job No., etc
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
4450 N. German Church Road, Byron, IL. Expiration Date Not Applicable  
Address
4. Identification of System Diesel Generator (DG)
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
JW HX Floating Channel Head	American Standard	9-20003-07-5	33537	Equip# 2DG01KA-X2 Lower Cooler	1979	Repair	Yes

7. Description of Work: Repair of Floating Channel Head
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 7.6 psi Test Temp. 73 °F

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 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 Repaired per Work Order 99021051-08

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

  
Owner or Owner's Designee, Title

Date

9/11, 2002

**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 01-09-02 to 09-11-02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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

11557 AIF IL 803  
National Board, State Province and Endorsements

Date

09-11, 2002

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

1. Owner Exelon Nuclear Date 6/2/02  
Name  
PO Box 805379, Chicago, Il. 60680-5379 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 443802-01  
Address Repair Organization, P.O. No., Job
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
4450 N. German Church Road, Byron, Il. Expiration Date Not Applicable  
Address
4. Identification of System FIRE PROTECTION
5. (a) Applicable Construction Code Section III 19 74 Edition, S75 Addenda, NONE  
Code Case \_\_\_\_\_
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
PIPE	S.W. FAB	FP-18-7 HT# LO3689	N/A	0FP C2BA	1977	REPLACED	NO
PIPE	CONSOLIDATED POWER	HT #X82751	N/A	0FPC2BA	2002	REPLACEMENT	NO

7. Description of Work REPLACE PIPING
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 158 psi Test Temp. 73.5 °F

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 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 CODE CASE N-416-1 INVOKED, WORK ORDER 443802-01  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed David A. Sibley Owner or Owner's Designee, Title Date 10-08, 2002

**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 H.S.B. CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 5/17/02 to 10/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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] Inspector's Signature Commissions ILL-1254 National Board, State, Province, and

Date Oct. 8, 20 02

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

1. Owner Exelon Nuclear Date 10/7/02  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 99278816-01  
Address
3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O. No., Job No., etc  
Name Type Code Symbol Stamp Not Applicable  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System [FW] FEEDWATER
5. (a) Applicable Construction Code Section III 19 74 Edition, W/75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
PLUG	MASONEALAN	S/N, 696155-14	N/A	EQUIP # : 2FW035A VLV S/N: N-00189-29-	1980	REPLACED	NO
PLUG	MASONEILAN	516853-7	N/A	CAT ID # 22498 EQUIP # : 2FW035A	1997	REPLACEMENT	NO
PILOT	MASONEALAN	S/N; 78266-11	N/A	EQUIP # : 2FW035A	1980	REPLACED	NO
PILOT	MASANEALAN	342690-3	N/A	CAT ID # 25343 EQUIP # : 2FW035A	1996	REPLACEMENT	NO

7. Description of Work REPLACE PLUG /PILOT ASSEMBLY
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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 plug and pilot replaced per work order 99278816-01.  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed David A. Sille Owner or Owner's Designee, Title Date 10-07, 2002

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 H.S.B. I.&I. Co. HSB CT of Hartford, CT. <sup>on 10/7/02</sup> have inspected the components described in this Owner's Report during the period 3/5/02 to 10/7/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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] Inspector's Signature Commissions ILL-1254 National Board, State Province, and Endorsements

Date October 7, 2002

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

1. Owner Exelon Nuclear Date 6/15/01  
Name  
4300 Winfield Rd, Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 990195133-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O No , Job No , etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Main Steam (MS)
5. (a) Applicable Construction Code Section III 1974 Edition, S74 Addenda, none Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
Valve Plug	Anchor Darling	4	N/A	2MS018C	1994	Replaced	yes
Valve Plug	Flowsolve	1	N/A	Cat ID 0000029378	1999	Replacement	yes

7. Description of Work: rebuild valve to stop leak by.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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 990195133-01

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed David A. Silver  
Owner or Owner's Designee, Title

Date 10-15, 2002

**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 9/1/00 to 10/15/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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.

J. J. [Signature]  
Inspector's Signature

Commissions 142-1254  
National Board, State Province, and Endorsements

Date Oct-15, 2002

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

1. Owner Exelon Nuclear Date 09/23/02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 99126072-01  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Main Steam - MS
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, NONE Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
3" Globe Valve	Velan	1772	N/A	2MS020D	1978	Replaced	Yes
3" Globe Valve	Velan	012047-4	N/A	2MS020D	2001	Replacement	Yes
3" Globe Valve	Velan	1775	N/A	2MS021D	1978	Replaced	Yes
3" Globe Valve	Velan	012047-8	N/A	2MS021D	2001	Replacement	Yes
3" Pipe	Hunter Corp	HT#L64207 / N76920	N/A	2MS20AD	1985	Replaced	No
3" Pipe	Consolidated Power Supply	HT# Y67155	N/A	2MS20AD	1999	Replacement	No

7. Description of Work Replace Valves & Piping
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1079 psi Test Temp. 557 °F

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 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 CODE CASE N416-1

WO 99126072-01

\* 74, w/75 Edition & Addenda for v105. Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] RRR Coord. Date 10/7, 2002

**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 H.S.B. CT. of Hartford, CT have inspected the components described in this Owner's Report during the period 10/30/00 to 10/8/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 166-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Oct. 8, 2002

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

1. Owner Exelon Nuclear Date 09/23/02  
Name  
4300 Winfield Road, Warrenville, IL.  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, IL.  
Address Work Request No. 99129022-01
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Main Steam - MS
5. (a) Applicable Construction Code Section III 1974 Edition, S/75 Addenda, NONE Code Case  
1974 Ed W75 (Valves)
6. (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda  
 Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
3" Globe Valve	Velan	1773	N/A	2MS020C	1978	Replaced	Yes
3" Globe Valve	Velan	012047-3	N/A	2MS020C	2001	Replacement	Yes
3" Globe Valve	Velan	1770	N/A	2MS021C	1978	Replaced	Yes
3" Globe Valve	Velan	012047-7	N/A	2MS021C	2001	Replacement	Yes
3" Pipe	Hunter Corp	HT#L64207 / N76920	N/A	2MS20AC	1985	Replaced	No
3" Pipe	COnsolidated Power Supply	HT# Y67155	N/A	2MS20AC	1999	Replacement	No

7. Description of Work Replace Valves & Piping
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1080 psi Test Temp. 557 °F

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 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 CODE CASE N416-1

WO 99129022-01

Applicable Manufacturer's Data Reports to be attached

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\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed  RRR COORD  
Owner or Owner's Designee Title

Date 10/7, 2002

**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 H.S.B. I&C Co. CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/30/00 to 10/3/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 ILL-1254  
National Board, State Province, and Endorsements

Date Oct. 7, 20 02

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

1. Owner Exelon Nuclear Date 09/25/02  
Name  
4300 Winfield Road, Warrenville, Il.  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 99080609-01  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O. No , Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Main Steam - MS
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, NONE Code Case
6. (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
3" Globe Valve	Velan	66 / 1767	N/A	2MS020A	1978	Replaced	Yes
3",Globe Valve	Velan	022225-2	N/A	2MS020A	2002	Replacement	Yes
3" Globe Valve	Velan	1774	N/A	2MS021A	1978	Replaced	Yes
3" Globe Valve	Velan	022225-1	N/A	2MS021A	2002	Replacement	Yes
3" Pipe	Hunter Corp	HT#L64207 / N76920	N/A	2MS20AA	1985	Replaced	No
3" Pipe	COnsolidated Power Supply	HT# Y67155	N/A	2MS20AA	1999	Replacement	No

7. Description of Work Replace Valves & Piping
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1083 psi Test Temp. 557 °F

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 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 CODE CASE N416-1

WO 99080609-01

*\* 74, w/75 Edition + Addenda for plus.*

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed *[Signature]* *S.A.P. RRR Coord.* Date *10/7*, 20 *02*  
Owner or Owner's Designer, 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 H.S.B. CT. of Hartford, CT have inspected the components described in this Owner's Report during the period 10/30/00 to 10/19/00, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 *121-1754*  
Inspector's Signature National Board, State Province, and Endorsements

Date *Oct. 9*, 20 *02*

*[Handwritten mark]*

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

1. Owner Exelon Nuclear Date 09/27/2002  
Name  
4300 Winfield Rd. Warrenville, Il. 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 99274784-01  
Address
3. Work Performed by NWS Technologies Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
131 Venture Blvd, Spartanburg, SC 29306. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System MS MAIN STEAM
5. (a) Applicable Construction Code Section III 19 74 Edition, N/A Addenda, NO Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
DISC, VALVE	DRESSER IND. VALVE	AAJ01	N/A	2MS017A S/N BUO1493	1978	REPLACED	NO
DISC, VALVE	DRESSER IND. VALVE	ADE61	N/A	2MS017A S/N BUO1493	2001	REPLACEMENT	NO

7. Description of Work Replace Disc in Valve - 2MS017A S/N:BUO1493
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1083 psi Test Temp. 557 °F

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 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#99274784-01

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed  RRR Coord. Date 10/7, 2002  
Owner, 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 H.S.B.CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 9/18/02 to 10/7/02 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 1LL-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Oct. 7, 2002

85423

FORM NVR-1 REPORT OF REPAIR  REPLACEMENT   
OF NUCLEAR PRESSURE RELIEF DEVICES *Replacement*

1. Work performed by: NWS Technologies, LLC Purchase Order # 00049782 Rev. 2  
131 Venture Boulevard, Spartanburg, SC 29306

2. Work performed for: Exelon Corporation, Byron Nuclear Station

3/4. Owner - name, address and identification of nuclear power plant: Exelon Corporation,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010

5. a: Repaired pressure relief device: Main Steam Safety Valve  
b: Name of manufacturer: Consolidated / Dresser  
c: Identifying nos.

	<u>3707R</u> (type)	<u>BU01493</u> (mfr's S/N)	<u>n/a</u> (NB#)	<u>steam</u> (service)	<u>6"</u> (size)	<u>78</u> (yr. built)
d: Construction Code:	<u>ASME Section III</u> (name/section/division)	<u>1974</u> (edition)	<u>n/a</u> (addenda)	<u>n/a</u> (Code Cases(s))	<u>2</u> (Code Class)	
6. ASME Code Section XI applicable for inservice inspection:			<u>1989</u> (edition)	<u>n/a</u> (addenda)	<u>n/a</u> (Code Case(s))	
7. ASME Code Section XI used for repairs, replacements:			<u>1989</u> (edition)	<u>n/a</u> (addenda)	<u>n/a</u> (Code Case(s))	
8. Construction Code used for repairs, replacements:			<u>1974</u> (edition)	<u>n/a</u> (addenda)	<u>n/a</u> (Code Case(s))	

9. Design responsibilities: n/a

10. Opening pressure: 1175 psig  
Set-pressure adjustment made at: NWS Technologies, LLC using steam

11. Description of work (include name and identifying number of replacement parts): Disassembled, replaced disc, replaced spindle, inspected, lapped, cleaned, lubricated, reassembled, failed steam testing. Disassembled, replaced disc, reassembled, certified set-pressure and seat tightness on steam.

12. Remarks: New disc s/n ADE61 and new spindle installed. NWS Traveler # 02-196.

CERTIFICATE OF COMPLIANCE

I, Cesar V. Sicra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.  
National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2003.  
National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2003.  
9/22/02 NWS Technologies, LLC *Cesar V. Sicra* Manager, QA  
Date Repair Organization Authorized representative Title

CERTIFICATE OF INSPECTION

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 9/22/02 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.  
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.  
9/22/02 *Charles F. Toegel Jr.* NB # 8462, A, N, I NC# 1073  
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

*HSB-ANII*  
*9/22/02*

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

1. Owner Exelon Nuclear Date 10/04/02  
Name  
4300 Winfield Road, Warrenville, Il. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 99080611-01  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O No , Job No , etc  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Main Steam (MS)
5. (a) Applicable Construction Code Section III - 19 74 Edition, S/75 Addenda, NONE Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
3" Globe Valve	Velan	168	N/A	2MS020B	1978	Replaced	Yes
3" Globe Valve	Velan	012047-2	N/A	2MS020B	2001	Replacement	Yes
3" Globe Valve	Velan	1783	N/A	2MS021B	1978	Replaced	Yes
3" Globe Valve	Velan	012047-6	N/A	2MS021B	2001	Replacement	Yes
3" Pipe	Hunter Corp	HT#L64207 / N76920	N/A	2MS20AB	1985	Replaced	Yes
3" Pipe	Consolidated Power Supply	HT# Y67155	N/A	2MS20AB	2002	Replacement	No

7. Description of Work Replace Valves & Piping
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1082 psi Test Temp. 557 °F

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 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 CODE CASE N416-1 , WORK ORDER 99080611-01  
Applicable Manufacturer's Data Reports to be attached  
74/075 Code year + addenda for valves.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp \_\_\_\_\_ Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed David A. Silver Owner's Designee, Title Date 10-4, 2002

**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 I&I Co. HSBCT on 10/4/02  
of Hartford, CT have inspected the components described in this Owner's Report during the period 10/30/02 to 10/7/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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] Inspector's Signature Commissions 122-1254 National Board, State Province, and Endorsements

Date October 7, 2002

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

1. Owner Exelon Nuclear Date 09-22-02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 00340993 - 01  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O. No., Job No., etc  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT ( RC )
5. (a) Applicable Construction Code Section III 1971 Edition, S72 Addenda, ( \* ) Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
Heavy Hex Screw 1 7/8" - 8	Ene Bolt Corp.	T08713 HT: 8068517	n/a	2RC01BB Bolt #8 MJ-165B	1980	Replaced	No
Heavy Hex Screw 1 7/8" - 8	Wastinghouse	Trace: R8421 HT: 7-1014	n/a	2RC01BB MJ-165B	1989	Replacement	No

7. Description of Work Replace Hot Leg Primary Manway Bolt # 8 - MJ-165B
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 2237 psi Test Temp. 558 °F

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 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 (\*) W74 for NB-2331(D), NB-2332(A)(2), NB-4332, NB-4334, .1, .2, NB-4335, .1, .2, .3

Applicable Manufacturer's Data Reports to be attached

1335, 1493-1, 1528, NB-4643

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] RRR Corp Date 10/8, 2002

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 9/23/02 to 11/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 Oct. 8, 20 02

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 9-23-02  
Name \_\_\_\_\_  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address \_\_\_\_\_
2. Plant Byron Nuclear Power Station Unit 02  
Name \_\_\_\_\_  
4450 N. German Church Road, Byron WORK ORDER 00391293  
Address \_\_\_\_\_ Repair Organization P.O., Job No., etc
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
Address 555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT SYSTEM
- 5 (a) Applicable Construction Code ASME SECTION III 1974 Edition, S74 Addenda, 1644 Rev. 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180, N-108 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  
(c) Section XI code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER, PSA-1/2	PACIFIC-SCIENTIFIC	9595	N/A	2RC16002S	1980	Replaced	YES
SNUBBER, PSA-1/2	PACIFIC-SCIENTIFIC	13080	N/A	2RC16002S	1981	Replacement	YES

7. Description of Work REPLACED SNUBBER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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 8 1/2 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and replacement conform to the repair or replacement rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Scott Esposito Date 9-28-2002  
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 of Province of ILL. and employed by H5B CT of Hartford CT have inspected the components described in this Owner's Report during the period 9/4/02 to 9/4/02 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]  
Inspector's Signature

Commissions 144-1254  
National Board, State, Province, and Endorsements

Date 10/4, 19 2002

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

1. Owner Exelon Nuclear Date 09/24/02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 00340986 - 04  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Rd, Byron IL 61010 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System (RC) Reactor Coolant  
Address
5. (a) Applicable Construction Code Section III 1971 Edition, S72/W74 Addenda, (\*) Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
2.3" Inspection Port Cover	Westinghouse	HT: B9422 Code: FE64	n/a	2RC01BD MJ-206A	1985	Repaired	No

7. Description of Work Machine the gasket seating surface – MJ-206A – 2RC01BD
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1088 psi Test Temp. 556 °F

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 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: (\*) W74 for NB-2332(A)(2), NB-4332, NB-4334, .1, .2, NB-4332.2, NB-4335, .1, .2, .3, NB-2331(D)  
Applicable Manufacturer's Data Reports to be attached  
Code Cases 1355, 1493, 1484, 1528 WO 00340986-04

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPAIR conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] RRR Const. Date 10/11, 2002  
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 H.S.B. Ct. of Hartford, CT have inspected the components described in this Owner's Report during the period 5/31/02 to 10/16/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 Oct. 16, 2002

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

1. Owner Exelon Nuclear Date 09-27-02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 0034988-01  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT ( RC )
5. (a) Applicable Construction Code Section III 1971 Edition, S72 Addenda, ( \* ) Code Case
6. (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda  
 Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
2.5" Access Cover	Westinghouse	T08083	n/a	2RC01BB MJ-180B	1980	Replaced	No
2.5" Access Cover	Westinghouse	HT: D6203/6 S/N 1267-1	n/a	2RC01BB MJ-180B	2002	Replacement	No
Heavy Hex Screw 1"-8, 3 1/2" Long	Westinghouse	S2799	n/a	2RC01BB MJ-180B Bolt #7	1990	Replaced	No
Heavy Hex Screw 1"-8, 3 1/2" Long	Nova Machine Products	HT: 13484 Code: A499	n/a	2RC01BB MJ-180B Bolt #7	2002	Replacement	No

7. Description of Work Replace Secondary Side Cover & Bolt #7 on MJ-180B – 2B Steam Generator
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1085 psi Test Temp. 557 °F

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 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 (\*) W74 for NB-2331(D), NB-2332(A)(2), NB-4332, .2, NB-4334, .1, .2, NB4335.1, .2, .3  
Code Cases 1335, 1493, 1484, 1528  
WO 00340988-01

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] RRR Ceard Date 10/15, 2002

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/31/02 + 9/22/02 to 10/15/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 161-1254

Date Oct. 15, 20 02

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

1. Owner Exelon Nuclear Date 9/27/02  
Name  
4300 Winfield Road, Warrenville, IL  
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL Work Request No. 0034989-01  
Address Repair Organization, P.O No, Job No, etc.
3. Work Performed by N P S & W Venture Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL 60440 Expiration Date Not Applicable  
Address
4. Identification of System Reactor Coolant (RC)
5. (a) Applicable Construction Code Section III 1971 Edition, S72\* Addenda, \*        Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
2" Inspection Port Cover	Westinghouse	MK: T05634	n/a	2RC01BA MJ-152A	1980	Replaced	No
2" Inspection Port Cover	Westinghouse	HT: D6203/6 S/N: 1266-1	n/a	2RC01BA MJ-152A	2002	Replacement	No ✓
2" Inspection Port Cover	Westinghouse	MK: T05634	n/a	2RC01BA MJ-153A	1980	Replaced	No
2" Inspection Port Cover	Westinghouse	HT: D6203/6 S/N: 1198-2	n/a	2RC01BA MJ-153A	2002	Replacement	No ✓
2" Inspection Port Cover	Westinghouse	MK: T05634	n/a	2RC01BA MJ-154A	1980	Replaced	No
2" Inspection Port Cover	Westinghouse	HT: D6203/6 S/N: 1198-1	n/a	2RC01BA MJ-154A	2002	Replacement	No ✓

7. Description of Work: Replace 2" Inspection Port Covers on MJ-152A, MJ-153A, MJ-154A – 2A Steam Generator
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1083 psi Test Temp. 556 °F

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 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 (\*) W74 for NB-2331(D), NB-2332(A)(2), NB-4332, .2, NB-4334, .1, NB4335.1, .2, .3

Applicable Manufacturer's Data Reports to be attached

Code Cases 1355, 1493, 1484, 1528

w/o - 0034989-01

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed [Signature] RRR Coord  
Owner or Owner's Designee, Title

Date 10/15, 2002

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, Ct. have inspected the components described in this Owner's Report during the period 5/3/02 to 10/15/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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]  
Inspector's Signature

Commissions

111-1254  
National Board, State Province and Endorsements

Date Oct. 15, 2002

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

1. Owner Exelon Nuclear Date 09-27-02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 00340987 - 01  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O No., Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT ( RC )
5. (a) Applicable Construction Code Section III 1971 Edition, S72 Addenda, (\*) Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer's Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
6" Handhole Cover	Westinghouse	TO788 <b>6</b>	n/a	2RC01BC MJ-190B	1980	Replaced	No
6" Handhole Cover	Westinghouse	HT: D6203/6 S/N: 1266-1	n/a	2RC01BC MJ-190B	2002	Replacement	No
Heavy Hex Screw 1"-8 3/4" (8 typ)	Westinghouse	HT: 13914	n/a	2RC01BC MJ-193A	1986	Replaced	No
Heavy Hex Screw 1"-8 3/4" (8 typ)	Nova Machine Products	HT: 13484 Code: C885	n/a	2RC01BC MJ-193A	2002	Replacement	No

7. Description of Work Replace Access Cover for MJ-190B and Bolts on MJ-193A - 2RC01BC
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1078 psi Test Temp. 557 °F

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 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 (\*) W74 for NB-2331(D), NB-2332(A)(2), NB-4332, 2, NB-4334, .1, NB-4335, .1, .2, .3

Applicable Manufacturer's Data Reports to be attached

Code Cases: 1355, 1493-1, 1484, 1528

*Work order - 00340987 - 01*

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed *[Signature]* - RRR Coord  
Owner or Owner's Designee Title

Date 10/15, 2002

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/31/02 - 9/13/02 to 10/15/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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]*  
Inspector's Signature

Commissions ILL-1254  
National Board, State Province, and Endorsements

Date Oct. 15, 20 02

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

1. Owner Exelon Nuclear Date 09-27-02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 00340986 - 01  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O. No., Job No., etc  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System REACTOR COOLANT ( RC )
5. (a) Applicable Construction Code Section III 1971 Edition, S72 Addenda, (\*) Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
6" Handhole Cover	Westinghouse	T08133-41	n/a	2RC01BD MJ-209B	1980	Replaced	No
6" Handhole Cover	Westinghouse	HT: D6203/6 S/N. 1239-4	n/a	2RC01BD MJ-209B	2002	Replacement	No
Heavy Hex Screw 1"-8 3 1/4" (5 typ)	Westinghouse	T08001	n/a	2RC01BD MJ-210B	1980	Replaced	No
Heavy Hex Screw 1"-8 3 1/4" (2 typ)	Westinghouse	T08907	n/a	2RC01BD MJ-210B	1980	Replaced	No
Heavy Hex Screw 1"-8 3 1/4" (1 typ)	Westinghouse	T07756	n/a	2RC01BD MJ-210B	1980	Replaced	No
Heavy Hex Screw 1"-8 3 1/4" (8 typ)	Nova Machine Products	HT: 13484 Code: C885	n/a	2RC01BD MJ-210B	2002	Replacement	No

7. Description of Work Replace Sludge Lance Cover MJ-209B and Install longer Bolts on MJ-210B – 2RC01BD
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1088 psi Test Temp. 556 °F

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 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 (\*) W74 for NB-2331(D), NB-2332(A)(2), NB-4332, NB-4334, .1, .2, NB-4335, .1, .2, .3  
Code Cases 1355, 1493, 1484, 1528 Applicable Manufacturer's Data Reports to be attached W/O 00342986-1

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] RRR Coord Date 10/15, 2002  
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 9/24/02 to 10/6/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 Oct. 16, 20 02

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

1. Owner Exelon Nuclear Date 09/23/02  
Name  
4300 Winfield Rd, Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 990163293-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O No , Job No , etc  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Residual Heat Removal (RH)
5. (a) Applicable Construction Code Section III 19 71 Edition, S/72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
Relief Valve	Crosby	N56904-00-0018	N/A	2RH8708B	1975	Replaced	yes
Relief Valve	Crosby	N56904-00-0055	750	Cat ID# 27642	1981	Replacement	yes

7. Description of Work: Scheduled removal and replacement of relief valve
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 33 psi Test Temp. 89 °F

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 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 990163293-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

David A. Sibley  
Owner or Designee Title

Date 10-25, 2002

**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 9/19/02 to 10/25/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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.

J. R. M. Miller  
Inspector's Signature

Commissions

122-1254  
National Board, State Province and Endorsements

Date Oct. 25, 20 02

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

1. Owner Exelon Nuclear Date 09/22/02  
Name  
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 99150748-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc  
4450 N. German Church Road, Byron, IL. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System RY - PRESSURIZER
5. (a) Applicable Construction Code Section III 1971 Edition, W/72 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
PRESSURIZER SAFETY VLV	CROSBY	N56964-00-0031	N/A	CAT.ID#24176 EPN.2RY8010A	1976	REPLACED	YES
PRESSURIZER SAFETY VLV.	CROSBY	N56964-00-0089	N/A	CAT. ID#24176	1977	REPLACEMENT	YES
INLET NUTS	CROSBY	N90489-0429 thru N90489-0440	N/A		1976	REPLACED	NO
INLET NUTS	CROSBY	HT# 70929 lot code DH	N/A	Cat ID# 26526	2001	REPLACEMENT	NO

7. Description of Work REMOVE AND REPLACE SAFETY RELIEF VALVE, with new inlet nuts.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 2230 psi Test Temp. 652 °F

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 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 99150748. Nozzle and disc for replacement valve were replaced, prior to installation, under purchase order 00041093, documented under separate NIS-2 and this work order.

Applicable Manufacturer's Data Reports to be attached

Blank lines for attaching manufacturer's data reports.

CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed David A. Ailes, Owner or Owner's Designee, Title

Date 10-10, 2002

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 H.S.B. I & L Co. CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 9/21/02 to 10/12/02 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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

122-1254 National Board, State Province and Endorsements

Date Oct. 10, 2002

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

1. Owner Exelon Nuclear Date 05/28/02  
Name  
4300 Winfield Rd. Warrenville, IL 60555  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL  
Address Work Request No. 99150748-01
3. Work Performed by NWS Technologies, LLC Repair Organization, P.O No., Job No., etc.  
Name Type Code Symbol Stamp VR and NR  
131 Venture Boulevard, Spartanburg, SC 29306  
Address Authorization No. 632 and 81  
Expiration Date 04-03-03 and 04-09-03
4. Identification of System RY - PRESSURIZER
5. (a) Applicable Construction Code Section III 19 71 Edition, W/72 Addenda, N/A Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
Disc Insert	CROSBY	N90349-49-0168	N/A		1977	Replaced	No
Disc Insert	CROSBY	N90349-82-0283	N/A	N5694-00-0089	1987	Replacement	No
Nozzle	CROSBY	N90555-45-0096	N/A		1977	Replaced	No
Nozzle	CROSBY	N90555-56-0128	N/A	N4594-00-0089	1986	Replacement	No

7. Description of Work Replaced valve nozzle and disc
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
*N/A* Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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 99150748-01 and purchase order 00041093  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed David A. Silver Owner or Owner's Designee, Title Date 10-10, 2002

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 H.S.B. CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 9/2/02 to 10/10/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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.

J. B. [Signature] Inspector's Signature Commissions 122-1254 National Board, State Province and Endorsements

Date Oct. 10, 2002

**FORM NVR-1 REPORT OF REPAIR  REPLACEMENT**   
**OF NUCLEAR PRESSURE RELIEF DEVICES** Corrected 5/28/02

1. Work performed by: NWS Technologies, LLC Purchase Order # 00041093 Rev. 002.  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Commonwealth Edison Company - ComEd Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Byron Nuclear Station  
4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Pressurizer Safety Valve  
 b: Name of manufacturer: Crosby Valve & Gage Co.  
 c: Identifying nos. HB-BP-86 N56964-00-0089 N/A steam 6 M 6 1977  
(type) (mfr's S/N) (NB#) (service) (size) (yr.built)  
 d: Construction Code: ASME Sec. III 1971 W72 N/A 1  
(name/section/division) (edition) (addenda) (Code Cases(s)) (Code Class)
6. ASME Code Section XI applicable for inservice inspection: 1989 N/A N/A  
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 N/A N/A  
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1971 W72 N/A  
(edition) (addenda) (Code Case(s))
9. Design responsibilities: N/A
10. Opening pressure: 2485 psig  
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, cleaned, inspected, replaced nozzle and disc, lapped, reassembled, set-pressure cert on steam. Seat tightness using N2.
12. Remarks: NWS Traveler # 02-73. Nozzle and disc supplied by Byron Station.  
Corrected stamp expiration dates.

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2003.  
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2003.

5/28/02 NWS Technologies, LLC Cesar V. Sierra Manager, QA  
Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 10 MAY 2002 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

5/28/02 Charles F. Toegel Jr. NB # 8462, A, N, I NC# 1073  
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

**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 Date 09/28/02  
 Name  
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 1  
 Address

2. Plant Byron Nuclear Power Station Unit 02  
 Name  
4450 N. German Church Rd. Byron, IL 61010 WO# 00471166-01  
 Address Repair Organization P.O., Job No., etc

3. Work Performed By Byron Mechanical Maintenance  
 Type Code Symbol Stamp Not Applicable  
4450 N. German Church Rd. Byron, IL 61010 Authorization No. Not Applicable  
 Address Expiration Date Not Applicable

4. Identification of System SA - SERVICE AIR

5. (a) Applicable Construction Code Section III 19 1974 Edition, W/ 75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89  
 (c) Section XI code Cases used, N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
VALVE PLUG	MASONEILAN	700529-12	N/A	2SA033	1999	REPLACED	NO
VALVE PLUG	MASONEILAN	700529-11	N/A	2SA033	1999	REPLACEMENT	NO

7. Description of Work INSPECT/REPLACE VALVE PLUG IF REQUIRED. *see n/a/n*  
Replaced vlv. plug.

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F  
N/A

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 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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
(Back)

9. Remarks WO 00471166-01  
Applicable Manufacturer's Data Reports to be attached  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conform to the  
repair or replacement  
rules of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed  RRR Coord. Date 10/3, 20 02  
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 of Province of Illinois and employed by H.S.B. CT. of Hartford, CT. Have inspected the components described in this Owner's Report during the period 9/24/02 to 10/2/02, 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 122-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date October 4, 20 02

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
As Required by the Provisions of the ASME Code Section XI  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 9-24-02  
Name \_\_\_\_\_  
4300 Winfield Road, Warrenville, Il. Sheet 1 of 1  
Address \_\_\_\_\_
2. Plant Byron Nuclear Power Station Unit 02  
Name \_\_\_\_\_  
4450 N. German Church Road, Byron **WORK ORDER: 00487154-01**  
Address \_\_\_\_\_ Repair Organization P.O., Job No., etc \_\_\_\_\_
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
Address \_\_\_\_\_ Authorization No. Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Expiration Date Not Applicable
4. Identification of System STEAM GENERATOR BLOWDOWN SYSTEM
- 5 (a) Applicable Construction Code ASME SECTION III 1974 Edition, S74 Addenda, 1644 Rev. 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180, N-108 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  
(c) Section XI code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER, PSA-1/4	PACIFIC-SCIENTIFIC	21531	N/A	2SD01005S	1981	Replaced	YES
SNUBBER, PSA-1/4	PACIFIC-SCIENTIFIC	3091	N/A	2SD01005S	1977	Replacement	YES

7. Description of Work REPLACED SNUBBER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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 8 1/2 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and replacement conform to the repair or replacement rules of the ASME Code, Section XI.

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Scott Esposito Date 9-28-2002  
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 of Province of Ill. and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/23/02 to 9/30/02, 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.

J. [Signature] Commissions 122-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/30, 19 2002

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 9-24-02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron **WORK ORDER: 00391323-01**  
Address Repair Organization P.O., Job No., etc
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System STEAM GENERATOR BLOWDOWN SYSTEM
- 5 (a) Applicable Construction Code ASME SECTION III 1974 Edition, S74 Addenda, 1644 Rev. 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180, N-108 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  
(c) Section XI code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
SNUBBER, PSA-1/2	PACIFIC-SCIENTIFIC	1185	N/A	2SD01003S	1979	Replaced	YES
SNUBBER, PSA-1/2	PACIFIC-SCIENTIFIC	3997	N/A	2SD01003S	1977	Replacement	YES

7. Description of Work REPLACED SNUBBER
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
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 8 1/2 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and replacement conform to the  
rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Scott Esposito Date 9-28-2002  
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 of Province of ILL. and employed by HSA CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/23/02 to 9/30/02, 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.

J. Amadio Commissions ILL-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date 9/30, 12 2002

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

1. Owner Exelon Nuclear Date 09/27/02  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 00357065-02  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SI SAFETY INJECTION
5. (a) Applicable Construction Code Section III 19 77 Edition, S/77 Addenda, 1644-8 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
SWAY STRUT TUBE WELD	ELCEN METAL PROD.	N/A	N/A	2SI06B01X	1983	REPLACED	YES
SWAY STRUT TUBE WELD	ELCEN METAL PROD.	N/A	N/A	2SI06B01X	2002	REPLACEMENT	NO
SW STRUT RR BRKT. WELD	ELCEN METAL PROD.	N/A	N/A	2SI06B01X	1983	REPLACED	YES
SW STRUT RR BRKT. WELD	ELCEN METAL PROD.	N/A	N/A	2SI06B01X	2002	REPLACEMENT	NO

7. Description of Work REMOVE AND REPLACE SWAY STRUT TUBE AND REAR BRKT. WELDS PER EC# 79261.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
V7-3 Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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 00357065-02  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed [Signature] RRR Coord. Date 10/3, 20 02  
Owner or Owner's Designer, 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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 3/23/02 to 10/3/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 122-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Oct. 8, 20 02



9. Remarks Invoke Code Case N-416-1, V-2 to be  
Applicable Manufacturer's Data Reports to be attached  
performed when installed in the plant.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] RRR Coord. Date 4/9, 2002  
Owner or Owner's Designer, 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 H.S.B. I&I Co. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/7/02 to 4/9/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 122-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date April 9, 20 02

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

1. Owner Exelon Nuclear Date 05/24/02  
Name  
4300 Winfield Rd, Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 00  
Name  
4450 N. German Church Road, Byron, IL Work Request No. 403833-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc  
4450 N. German Church Road, Byron, IL Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Essential Service Water (SX)
5. (a) Applicable Construction Code Section III 1974 Edition, S/76 Addenda, n/a Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
Pump Bowl Assembly	Johnston Pump	NJ 1945	n/a	OSX02PA	1979	Replacement	yes
Pump Bowl Assembly	Johnston Pump	NRT-5533	n/a	OSX02PA	1999	Replaced	yes

7. Description of Work: Replaced pump bowl assembly
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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: pump bowl assembly replaced per WO 403833-01. Repair/Replacement Report and NIS-2 not initiated during work activity - documented on Condition Report 124108. Replacement bowl assembly s/n NJ 1945 was refurbished per purchase order 00017235 revision 2 and accepted per receipt inspection 56945.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

David G. Silver Owner or Owner's Designee, Title

Date 11-20, 2002

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 11/20/02 to 11/20/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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

111-1254

National Board State Province and Endorsements

Date 11-20, 2002

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

1. Owner Exelon Nuclear Date 09/19/02  
Name  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL Work Request No. 99277795-01  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W Venture Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL 60440 Expiration Date Not Applicable  
Address
4. Identification of System Essential Service Water (SX)
5. (a) Applicable Construction Code Section III 19 74 Edition, S75 Addenda, none Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, Or Replacement	ASME Code, Stamped (Yes or No)
6" pipe	Hunter	Ht. # 405060	N/A	2SX25AA-6"	1989	Replaced	No
6" pipe	Consolidated Power Supply	Ht. # C25749	N/A	2SX25AA-6"	2002	Replacement	No
6" elbow	Hunter	Ht # V1261	N/A	2SX25AA-6"	1989	Replaced	No
6" elbow	Consolidated Power Supply	Ht. # H417K	N/A	2SX25AA-6"	2002	Replacement	No

7. Description of Work: replaced pipe and elbow
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 100psi Test Temp. 70°F

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 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.

9. Remarks Work order 99277795-01, Code Case N416-1 applied for this work order.

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed David A. Silver Date 11-12, 20 02  
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 4/2/02 to 11/2/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 122-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date Nov. 12, 20 02

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

1. Owner Exelon Nuclear Date 3/6/02 & 3/20/02  
Name  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL Work Request No. 00367095-01 & 99097014-01  
Address Repair Organization, P.O. No., Job No., etc
3. Work Performed by N P S & W Venture Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL 60440 Expiration Date Not Applicable  
Address
4. Identification of System Essential Service Water (SX)
5. (a) Applicable Construction Code Section III 19 71 Edition, S75 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
Studs	Hunter Corp	HP36	n/a	MJ-28A 2SX001A	1984	Replaced ✓	No
Threaded Rod 1 1/2" x 8	Nova Machine Products	H: 67944 T: KYG	n/a	MJ-28A 2SX001A	1996	Replacement ✓	No
Threaded Rod 1 1/2" x 8	Nova Machine Products	H: 28901 T: E250	n/a	MJ-28A 2SX001A	2002	Replacement ✓	No
Heavy Hex Nuts 1 1/2" x 8	Hunter Corp	HP38	n/a	MJ-28A 2SX001A	1984	Replaced ✓	No
Heavy Hex Nuts 1 1/2" x 8	Nova Machine Products	H: 681A037 T: KYU	n/a	MJ-28A 2SX001A	1998	Replacement ✓	No
Heavy Hex Nuts 1 1/2" x 8	Nova Machine Products	H: E1 T: C	n/a	MJ-28A 2SX001A	1998	Replacement ✓	No
Heavy Hex Nuts 1 1/2" x 8	Nova Machine Products	H: 119082 T: NKL	n/a	MJ-28A 2SX001A	2001	Replacement ✓	No

7. Description of Work: Replace Studs/Nuts on Valve 2SX001A (MJ-28A)
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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

Applicable Manufacturer's Data Reports to be attached

w/o 00367095-01

w/o 99097014-01

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

[Signature] RRR Coord.  
Owner or Owner's Designee, Title

Date 4/6, 20 02

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 2/27/02 + 3/20/02 to 4/8/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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]  
Inspector's Signature

Commissions

122-1254

National Board State Province and Endorsements

Date April 8, 20 02

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

1. Owner Exelon Nuclear Date 09/24/02  
Name  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Work Request No. 97088356-01/08  
Address
3. Work Performed by N P S & W VENTURE Repair Organization, P.O. No., Job No., etc  
Name Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL. 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Essential Service Water (SX)
5. (a) Applicable Construction Code Section III 1974 Edition, S/75 Addenda, N/A Code Case
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989 No Addenda
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
BOLT, STUD 1-1/2" X 19-3/4"	HUNTER CORP	HT CODE# HP-34	N/A	2SX001B	1978	REPLACED	NO
BOLT, STUD 1-1/2" X 19-3/4"	HUNTER CORP	HT CODE# E880	N/A	2SX001B	2002	REPLACEMENT	NO
BOLT, STUD 1-1/2" X 7-3/4"	HUNTER CORP	HT CODE# HP-37	N/A	2SX001B	1978	REPLACED	NO
BOLT, STUD 1-1/2" X 7-3/4"	HUNTER CORP	HT CODE# E880	N/A	2SX001B	2002	REPLACEMENT	NO
BOLT, STUD 1-1/2" X 7-1/4"	HUNTER CORP	HT CODE# HP-36	N/A	2SX001B	1978	REPLACED	NO
BOLT, STUD 1-1/2" X 7-1/4"	HUNTER CORP	HT CODE# E880	N/A	2SX001B	2002	REPLACEMENT	NO
NUTS, H.H. 1-1/2"	HUNTER CORP	HT CODE# HP-38	N/A	2SX001B	1978	REPLACED	NO
NUTS, H.H. 1-1/2"	NOVA	HT CODE# D303	N/A	2SX001B	2002	REPLACEMENT	NO

7. Description of Work Replaced all 32 valve studs and 64 nuts
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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 This NIS-2 documents stud and nut replacements performed under work order tasks 97088356-01 and 97088356-08. Studs and nuts were replaced one at a time, pressure boundary not broken.

Applicable Manufacturer's Data Reports to be attached

Five horizontal lines for additional remarks or data reports.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed David A. Silver Date 10-10, 2002

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 H.S.B. CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/31/02 + 7/29/02 to 10/15/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 166-1254

Date Oct. 15, 2002

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

1. Owner Exelon Nuclear Date 09/27/02  
Name  
4300 Winfield Rd, Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Request No. 99174560-02  
Address
3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O No., Job No , etc  
Name Type Code Symbol Stamp None  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Essential Service Water (SX)
5. (a) Applicable Construction Code Section III 1974 Edition, S75 Addenda, none Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89/NA
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME - Code; Stamped (Yes or No)
Pipe -2"	Hunter Corp.	Heat # JD1571	N/A	Spool Piece S-SX-100-129, 2SX58AB-2"	1985	Replaced	yes
Gate Valve	Flowserve	S/N E362T-1-2	N/A	Cat ID 1032249, 2SX2199B	2001	Replacement	Yes
Gate Valve	Flowserve	S/N E-093T-2-8	N/A	Cat ID 1032250, 2SX2200B	2000	Replacement	Yes
Pipe-1-1/2"	Consolidated Power Supply	Heat # 287314	N/A	Cat ID 24415, 2SXK1AB-1-1/2"	2002	Replacement	No
Pipe Tee-2"	Consolidated Power Supply	Heat # R41S	N/A	Cat ID 24455, 2SX58AB-2"	2002	Replacement	No
Reducing Insert	Consolidated Power Supply	Heat # 20M	N/A	Cat ID 27291, 2SXK1AB - 1-1/2"	2002	Replacement	No

7. Description of Work: Installation of new SX valves and fittings per modification 9900554.
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 100 psi Test Temp. 75 °F

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 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 Installation per Work Order 99174560-02 and DCP 9900554

Applicable Manufacturer's Data Reports to be attached

Section XI code case N-416-1.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No Not Applicable

Expiration Date Not Applicable

Signed

David A. Sible  
Owner or Owner's Designee, Title

Date 9-27, 2002

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, Ct. have inspected the components described in this Owner's Report during the period 5/25/01 to 9/27/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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]  
Inspector's Signature

Commissions

144-1254

National Board State Province and Endorsements

Date Sept. 27, 20 02

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

1. Owner Exelon Nuclear Date 10/02/02  
Name  
4300 Winfield Rd. Warrenville, Il. 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 99279057-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O No., Job No., etc  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System [SX] ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code Section III 19 74 Edition, S/76 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	ASME Section III No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
HX-INLET END COVER	AMERICAN STANDARD	N/A	32113 N/A	EPN-2SX01K S/N: 77A-20007-01-3	1978	REPLACED	YES
HX-INLET END COVER	ENERGY STEEL & SUPPLY CO.	NPT 19030101-1	N/A	CAT ID.# 1234920	2002	REPLACEMENT	YES

7. Description of Work REPLACED INLET HEAT EXCHANGER END COVER
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 114 psi Test Temp. 76 °F

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 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 99279057-01

Applicable Manufacturer's Data Reports to be attached

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed

David G. Silver  
Owner or Owner's Designee, Title

Date 10-30, 2002

**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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 4/22/02 to 10/30/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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.

David G. Silver  
Inspector's Signature

Commissions

122-1254  
National Board, State Province, and Endorsements

Date Oct. 30, 2002

**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 09/29/02  
 Name  
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 1  
 Address
2. Plant Byron Nuclear Power Station Unit 02  
 Name  
4450 N. German Church Rd. Byron, IL 61010 WO# 00430425-04  
 Address Repair Organization P.O., Job No., etc
3. Work Performed By Byron Mechanical Maintenance  
 Type Code Symbol Stamp Not Applicable  
4450 N. German Church Rd. Byron, IL 61010 Authorization No. Not Applicable  
 Address Expiration Date Not Applicable
4. Identification of System VA - AUX. BUILDING HVAC
5. (a) - Applicable Construction Code Section III 19 74 Edition, S76 Addenda, N91 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89  
 (c) Section XI code Cases used, N/A
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CHANNEL HEAD BOLT	TRANE CO.	N/A	N/A	2VA08S	1980	REPLACED	NO
CHANNEL HEAD BOLT	NOVA Machine	HT# 8092338	N/A	CAT. ID#36960	1996	REPLACEMENT	NO

7. Description of Work REPLACE LOST/MISSING 3/8"-16X4" CHANNEL HEAD BOLT

8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 114 psi Test Temp. 76 °F

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 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks WO# 00430425-04  
Applicable Manufacturer's Data Reports to be attached  
\_\_\_\_\_  
\_\_\_\_\_

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this REPLACEMENT conform to the  
repair or replacement  
rules of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David A. Nibler Date 10-09, 20 02  
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 of Province of Illinois and employed by H.S.B. CT.  
of Hartford, CT. Have inspected the components described in this Owner's Report during the period  
9/28/02 to 10/9/02, 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.

J. Amundson Commissions 111-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date October 9, 20 02

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

1. Owner Exelon Nuclear Date 11/08/01  
Name  
4300 Winfield Rd. Warrenville, IL 60555  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL  
Address Work Request No. 99285126-01
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, IL Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System WE - AUX BLDG EQUIP DRAINS
5. (a) Applicable Construction Code Section III 19 74 Edition, S75 Addenda, None Code Case  
1974 Ed S76 Valve  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code, Stamped (Yes or No)
3" SCH.40 PIPE	HUNTER CORP	HT 143805	N/A	2WER7AA	1984	REPLACED	NO
SWAGE NIPPLE	HUNTER CORP	HT AHKN	N/A	2WER7AA	1984	REPLACED	NO
2" S.W. ELBOW	HUNTER CORP	HT M240	N/A	2WE82AA	1984	REPLACED	NO
2" SCH.80 PIPE	HUNTER CORP.	HT AA	N/A	2WE82AA	1984	REPLACED	NO
3" SCH 40 PIPE	CONSOLIDATED POWER	HT B25985	N/A	2WER7AA	2001	REPLACEMENT	NO
SWAGE NIPPLE	CONSOLIDATED POWER	HT 8860857	N/A	2WER7AA	2001	REPLACEMENT	NO
2" S.W. ELBOW	CONSOLIDATED POWER	HT 77763/37763	N/A	2WE82AA	2001	REPLACEMENT	NO
2" SCH 80 PIPE	CONSOLIDATED	HT 720254	N/A	2WE82AA	2001	REPLACEMENT	NO
2" GLOBE VALVE	ANDERSON GREENWOOD	3335	N/A	2WE010A	1978	REPLACED	YES
2" GLOBE VALVE	ANDERSON GREENWOOD	A1614	N/A	2WE010A	1979	REPLACEMENT	YES

7. Description of Work REPLACE DRAIN LINE PIPING AND VALVE
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 96 psi Test Temp. 71 °F

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 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 Invoked Code Case N-416-1 WO 99285126-01  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed [Signature] ISI Engr Date 2/23, 2002  
Owner or Owner's Designer, 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 H.S.B. I & L Co. HSB CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 09-23-01 to 02-25-02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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 B11557 AND 21903  
Inspector's Signature National Board, State Province, and Endorsements

Date 02-25, 2002

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

1. Owner Exelon Nuclear Date 08/13/02  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, Il.  
Address Work Order No. 99285127-01
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O No, Job No., etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System WE - Aux. Building Equipment Drains
5. (a) Applicable Construction Code Section III 19 74 Edition, s75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1974 Ed s76 AB (Valve) 89
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No	National Board No	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
PIPE, 3 IN SCH. 40	HUNTER CORP.	HT # 26324	N/A	2WER7AB	1983	REPLACED	NO
PIPE, 3 IN.	EXELON	HT #B25985	N/A	2WER7AB	2001	REPLACEMENT	NO
SWAGE NIPPLE, 3 X 2	HUNTER CORP	HT #AHKN	N/A	2WER7AB	1983	REPLACED	NO
SWAGE NIPPLE, 3X2	EXELON	HT #751ZNF2	N/A	2WER7AB	2002	REPLACEMENT	NO
COUPLING 2", 3000#	HUNTER CORP.	HT #BN02	N/A	2WE82AB	1983	REPLACED	NO
COUPLING 2", 3000#	EXELON	HT #297YNB	N/A	2WE82AB	1997	REPLACEMENT	NO
PIPE, 2 IN. SCH. 80	HUNTER CORP	HT #AA	N/A	2WE82AB	1983	REPLACED	NO
PIPE, 2 IN SCH. 80	EXELON	720254	N/A	2WE82AB	200	REPLACEMENT	NO
GLOBE VALVE, 2 IN.	ANDERSON GREENWOOD	S/N A3338	N/A	2WE010B	1978	REPLACED	YES
GLOBE VALVE, 2 IN.	ANDERSON GREENWOD	S/N A1335	N/A	2WE010B	1978	REPLACEMENT	YES

7. Description of Work REPLACE PIPING AND VALVE
8. Test Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 99 psi Test Temp. 71 °F

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 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 Invoked Code Case N-416-1 WO 99285127-01  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this Replacement conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE Expiration Date NOT APPLICABLE

Signed [Signature] Owner or Owner's Designee, Title Date 10/3, 2002

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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 7/31/02 to 10/9/02, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the 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] Inspector's Signature Commissions ILL-1254 National Board, State Province, and Endorsements

Date October 4, 2002



**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 1 of 4**

1. Owner Exelon Nuclear Date 09/25/02  
 Name \_\_\_\_\_  
4300 Winfield Road, Warrenville, IL. Sheet 1 of 1  
 Address \_\_\_\_\_
2. Plant Byron Nuclear Power Station Unit 02  
 Name \_\_\_\_\_  
4450 N. German Church Road, Byron P.O. 00038307 release 20  
 Address \_\_\_\_\_ Repair Organization P.O., Job No., etc
3. Work Performed by VR TESCO, INC. Type Code Symbol Stamp Not applicable  
 Address 1050 Kingsland Dr. Batavia IL 60510 Authorization No. Not Applicable  
 Address \_\_\_\_\_ Expiration Date Not Applicable
4. Identification of System spare valves (XX)
- 5 (a) Applicable Construction Code ASME SECTION III 1974 Edition, S75 Addenda, NO Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989  
 (c) Section XI code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve, Butterfly, 36"	Jamesbury	KKI-001	N/A	spare	2002	Repaired	Yes
Valve, Butterfly, 36"	Jamesbury	KKI-002	N/A	spare	2002	Repaired	Yes

7. Description of Work Valve protrusion removed from valve body per EC 338729, Rev. 1

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
N/A Other  Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

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 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.

ATTACHMENT 4  
FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
Page 2 of 4

9. Remarks Work Order 97088356-34. Work performed by VR TESCO per a NPS&W Venture work order.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and repair conform to the  
Repair or replacement  
rules of the ASME Code, Section XI.

Type Code Symbol Stamp MA

Certificate of Authorization No. N/A

Signed David A. Nitele Date 10/29, 2002  
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 of Province of Ill. and employed by ASB CT of Hartford, Ct. have inspected the components described in this Owner's Report during the period 9/2/02 to 10/29/02 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.

David Nitele  
Inspector's Signature

Commissions 122-1254  
National Board, State, Province, and Endorsements

Date Oct. 29 2002