

Exelon Generation Company, LLC
Braidwood Station
35100 South Rt 53, Suite 84
Braceville, IL 60407-9619
Tel. 815-417-2000

www.exeloncorp.com

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U.S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, D.C. 20555-0001

Braidwood Station, Unit 1
Facility Operating License Nos. NPF-72
NRC Docket No. STN 50-456

Subject: Braidwood Station, Unit 1 Inservice Inspection Summary Report

Enclosed please find the Post-Outage (90 day) Summary Report for Inservice Inspection examinations conducted during the tenth refueling outage of Braidwood Station Unit 1 (i.e., A1R10). This report is submitted in accordance with the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, "Rules for the Inservice Inspection of Nuclear Power Plant Components."

Based on a Braidwood Unit 1 return to service date of May 2, 2003 and the submittal requirements of ASME Section XI Subarticle IWA-6230, "Summary Report Submittal," this report is to be provided to the U. S. NRC and the State of Illinois, Department of Nuclear Safety by July 31, 2003.

Please direct any questions you may have regarding this submittal to Ms. Kelly Root, Regulatory Assurance Manager, at (815) 417-2800.

Respectfully,



Michael J. Pacilio
Site Vice President
Braidwood Station

Enclosure: Braidwood Station ISI Outage Report for A1R10

cc: Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Braidwood Station (w/o enclosure)
Office of Nuclear Facility Safety - Illinois Department of Nuclear Safety

A047

BRAIDWOOD STATION

UNIT 1 INSERVICE INSPECTION SUMMARY REPORT FOR:

Interval 2, Period 2, Outage 2

STATION ADDRESS:

**Braidwood Station
35100 S. Rt. 53 Suite 84
Braceville, Illinois 60407**

UNIT 1 COMMERCIAL SERVICE DATE:

July 29, 1988

OWNER'S ADDRESS:

**Exelon Generation Co., LLC
300 Exelon Way
Kennett Square PA 19348**

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1.0 INSPECTION INFORMATION

1.1 Summary

Second Interval Inservice Inspections (ISI) of ASME Class 1, 2, and 3 components were conducted at Braidwood Station Unit 1 from October 13, 2001 through May 2, 2003. With a majority of these inspections being performed during the Braidwood Station Unit 1 tenth refueling outage (A1R10). This outage is reflected in the Braidwood ISI schedule by the code 222 (Interval 2, Period 2, Outage 2).

The examinations were performed in compliance with the rules and regulations of Section XI, Division 1, "Rules for Inservice Inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1989 Edition, No Addenda, pursuant to the requirements of Title 10, Part 50.55a of the Code of Federal Regulations (10CFR50.55a).

The Containment Inspection Program was developed and implemented in accordance with the requirements and intent of Subsections IWE and IWL of ASME Section XI, 1992 Edition through the 1992 Addenda, pursuant to the requirements of Title 10, Part 50.55a of the Code of Federal Regulations (10CFR50.55a).

In addition to the ASME Section XI requirements of examination, certain Nuclear Regulatory Commission augmented ISI inspections were required during A1R10. The Braidwood Unit 1 Augmented ISI examination requirements include:

- a) Class 1 pressure boundary for leakage at nominal operating pressure, in accordance with NRC Bulletin 88-05.
- b) Examination of the Reactor Coolant Pump Flywheels in accordance with the requirements of Braidwood Station License Amendment 118 as an alternative to NRC Regulatory Guide 1.14, "Reactor Coolant Pump Flywheel Integrity".
- c) Augmented VT-2 examinations to satisfy NRC commitments contained in Relief Request I2R-07, "Limited Volumetric Examination Of Residual Heat Removal Heat Exchanger Nozzle-to-Shell Welds and Inner Radii."

1.2 Identification of Examination Requirements

The Second Interval ISI Program contains the Component Selection tables. These tables are presented in a tabular format consistent with the tables found in subsections IWB, IWC, IWD, IWE, IWF, and IWL-2500 of the ASME code. The NDE tables include the corresponding code category, item number, and component/weld population 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 basis column.

1.3 Exempted Components

ASME Class 1, 2, and 3 components (or parts of components) that are not included in the Component inspection tables and that are exempt from examination, as specified in Section XI Subsection IWB, IWC, IWD, and IWF are identified in the Braidwood Station Boundary Basis document, along with reference to the justification(s) for exempting the component/system.

1.4 ISI Program Implementation

Braidwood Station, or their designee, visually examined (VT-1, VT-2, VT-3/4, VT-1C, and VT-3C) and/or NDE examined (UT, PT, MT) ASME components. The components examined comply with the ISI Program Schedule, Braidwood Technical Specifications, and/or compliance with the ASME Section XI Repair/Replacement Program. All ISI NDE, including evaluation of flaw indications, were performed in accordance with the requirements stipulated under Section XI, Sub-article IWA-2200: "Examination Methods".

Certified personnel performed and evaluated all NDE. Personnel were certified to the requirements of the American Society for Non-destructive Testing SNT-TC-1A, 1984 Edition. The NDE procedures were developed and certified in conformance with ASME Section V and XI, 1989 Edition, as applicable. In addition, ultrasonic examination personnel were qualified to ANSI/ASNT CP-189, 1995.

Certified personnel performed and evaluated visual examinations (VT-1, VT-2, and VT-3/4) of class 1, 2, and 3 components and supports. Personnel were certified to the requirements of the American Society for Non-destructive Testing SNT-TC-1A, 1984 Edition and/or ASME Section XI 1989, as applicable.

Certified personnel performed and evaluated visual examinations (VT-1, VT-3/4, VT-1C and VT-3C) of Containment Structures. Personnel were certified to the requirements of the ANSI/ANST CP-189, 1991 revision, and/or ASME Section XI 1992 through 1992 Addenda, as applicable.

1.5 Witness and Verification of Examination

The inservice inspections were witnessed and/or verified by the Authorized Nuclear Inservice Inspectors (ANII), L. Malabanan and R. White. The 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 INSERVICE EXAMINATION SUMMARY

The following is a summary of ASME Section XI, RISI, and augmented examinations performed during the Braidwood Unit 1 tenth refueling outage (A1R10). Refer to the component detailed examination tabulations of Section 3.0 for additional information on specific welds, components, supports, snubbers and pressure test examinations and their respective results.

2.1 Inservice Weld/Component Summary

SYSTEM EXAMINED	Number of Welds or Components	COMMENTS
Auxiliary Feedwater (AF)	1	
Chemical & Volume Control (CV)	15	
Essential Service Water (SX)	3	
Feedwater (FW)	41	
Main Steam (MS)	36	
Reactor Coolant (RC)	72	
Reactor Coolant (RY)	11	
Residual Heat Removal (RH)	17	
Steam Generator Blowdown (SD)	1	
Safety Injection (SI)	27	
TOTALS	224	

2.2 Inservice Component Support Summary

SYSTEM EXAMINED	Number of Component Supports	COMMENTS
Residual Heat Removal	1	
Safety Injection	17	
Essential Service Water	2	
TOTALS	20	

2.3 Inservice Snubber Summary

SYSTEM EXAMINED	Number of Snubbers VT-3/4	Number of Snubbers Functionally Tested	COMMENTS
Main Steam	4	4	
Reactor Coolant	13	6	
Residual Heat Removal	2	1	
Reactor Coolant (RY)	2	2	
Safety Injection	12	10	
TOTALS	33	23	

2.4 Inservice Pressure Test Summary**2.4.1 Pressure Test Test-Block Inspection Summary**

Summary of components contained in this table are those Pressure Test Test-Blocks that were examined for Section XI Inservice Inspection credit.

System	Class	Number of Test Blocks
Plant Systems Pressurized During Mode 3 (ZZ)	1&2	1
TOTALS		1

2.4.2 Borated Bolting Inservice Inspection Summary

Summary of components contained in this table are those Insulated Borated Bolted connections which were examined for Section XI Inservice Inspection credit. Inspections on these connections are performed per the commitments in Relief Request I2R-12, I2R-13, and I2R-30, as applicable, of the ISI Program Plan.

SYSTEM EXAMINED	Number of Connections VT-2	Number of Connections VT-1	COMMENTS
Chemical & Volume Control	50	23	
Pressurizer	1	0	
Reactor Coolant	22	7	
Residual Heat Removal	17	6	
Reactor Coolant (RY)	4	2	
Safety Injection	3	0	
TOTALS	97	38	

2.5 Steam Generator Eddy Current Testing Summary

In accordance with Braidwood Technical Specifications, eddy current examinations were performed on the tubing of all four steam generators during A1R10. The examination consisted of 100% Full Length Bobbin inspection of the 2A Steam Generator tubes and 54% Full Length Bobbin inspection of the 2B, 2C and 2D Steam Generator tubes. Additional Plus Point eddy current examination was performed on all Bobbin Coil indications classified as requiring additional diagnostic testing.

No indications of stress corrosion cracking were detected. All tube plugging required during the A1R10 outage was associated with secondary side foreign objects and resulting tube wear. The following table summarizes Braidwood Unit 1 steam generator tube plugging to date. Note: the Braidwood Unit 1 steam generators were replaced during A1R07 (November 1998).

Braidwood Unit 2 Steam Generator Tube Plugging Summary

	2A SG	2B SG	2C SG	2D SG	Total
Preservice	1	2	0	0	3
A1R08	1	0	0	0	1
A1R09	*	*	*	*	*
A1R10	8	10	3	0	21
Total	10	12	3	0	25

* No steam generator inspections were performed during A1R09

Additional information concerning the steam generator eddy current inspection results can be obtained in the report submitted to the Nuclear Regulatory Commission as required by Technical Specification 5.6.9.

3.0 COMPONENT DETAILED EXAMINATION TABLES**3.1 Detailed Inservice Weld/Component Table(s):**

The table (Pages 3-4 to 3-14) for this section lists the examinations performed for Section XI Inservice Inspection requirements for welds and components. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

Section XI Cat. Item	ISI Identifier Description	Line Number/EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(J)								

3.2 Detailed Inservice Component Support Table:

The table (Pages 3-15 to 3-18) for this section lists the examinations performed for Section XI Inservice Inspection requirements for component supports. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

Section XI Cat. Item	ISI Identifier Description	Line Number/EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
(A)	(B)	(C)	(D)	(E)	(G)	(I)
(J)						

3.3 Detailed Inservice Snubber Table:

The table (Pages 3-19 to 3-24) for this section lists the examinations performed for Section XI Inservice Inspection requirements for snubbers. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

Section XI Cat. Item	ISI Identifier Description	Line Number/EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
(A)	(B)	(C)	(D)	(E)	(G)	(I)
(J)						

3.4 Detailed Inservice Pressure Test Table(s):

3.4.1 System Pressure Tests

The table (Page 3-25) for this section lists the examinations performed for Section XI Inservice Inspection requirements for pressure testing. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

3.4.2 Borated Bolted Connection Inspections

The table (Pages 3-26 to 3-37) for this section lists the examinations performed for Inservice Inspection pressure testing requirements of borated bolted connections. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
(A)	(B)	(D)	(E)	(G)	(I)
(J)	(K)				

3.5 General Inservice Report Information

3.5.1 Report Column Descriptions

- (A) This column contains the Section XI Category and Item identifiers for the specified component. There are special cases, like snubbers, where an "S" has been added to the end of the Section XI Item identifier. This was done to allow easy sorting of the snubber population by the ISI database.
- (B) This column contains the ISI Identifier that the ISI Program uses to distinguish components.
- (C) This column contains the line number or equipment piece number (EPN) that the component is associated with.
- (D) This column identifies the ISI Program Plan relief request(s) that is associated with that component. A complete copy of the relief request can be found in the ISI Program Plan.
- (E) This column identifies the ISI Program Plan note(s) that is associated with that component. A complete copy of the Program note can be found in the ISI Program Plan.
- (F) This column identifies the percentage of code coverage achieved for the associated exam for that component.
- (G) This column summarizes the exams performed during this outage for the associated component.

- (H) This column identifies actual exams performed during this outage for the associated component.
- (I) This column summarizes the results for exams performed during this outage for the associated component.
- (J) This row states inspection comments, when applicable, for the associated component.
- (K) This column specifies the description of the associated component.

3.5.2 Report Abbreviations

FUNCT.	-	Snubber Functional Test
GEOM.	-	Geometry
GE/IND	-	Geometry/Indication
IND.	-	Indication
NRI	-	No Recordable Indications
MT	-	Magnetic Particle Inspection
PT	-	Liquid Penetrant Inspection
SUR	-	Surface Exam
TBD	-	To Be Developed
UT	-	Ultrasonic Inspection
VOL	-	Volumetric Exam
VOL-E	-	Volumetric Exam of an Extended Volume
VT	-	Visual Inspection

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
R-A R01.11	1CV-05-03 PIPE - ELBOW	1CVA3B-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-05-04 ELBOW - PIPE	1CVA3B-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-05-05 PIPE - ELBOW	1CVA3B-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-05-06 ELBOW - PIPE	1CVA3B-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-05-13 PIPE - ELBOW	1CVA3B-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-05-14.01 ELBOW - PIPE	1CVA3B-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-11-06 PIPE - ELBOW	1CVA6AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-11-07 ELBOW - PIPE	1CVA6AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-15 PIPE - ELBOW	1CVA3AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-16 ELBOW - PIPE	1CVA3AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-17 PIPE - ELBOW	1CVA3AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-18 ELBOW - PIPE	1CVA3AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-11 PIPE - ELBOW	1CVA7AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-12 ELBOW - PIPE	1CVA7AA-2"		NOTE 4		VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Feedwater System (FW)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
R-A	R01.11	1FW-01-04 VALVE 1FW009D - PIPE		1FW03DD-16" NOTE 4 NOTE 5 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-01-05 PIPE - PENETRATION (1PC-076)		1FW03DD-16" NOTE 4 NOTE 5 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-01-17 PIPE - ELBOW		1FW03DD-16" NOTE 4 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-01-18 ELBOW - PIPE		1FW03DD-16" NOTE 4 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-01-37 PIPE - ELBOW		1FW03DD-16" NOTE 4 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-01-41 PIPE - 6" VESSELET		1FW03DD-16" NOTE 4 NOTE 5 NOTE 7	100%	VOL	VOL	NRI
R-A	R01.11	1FW-03-07 PIPE - PIPE		1FW03DB-16" NOTE 4 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-03-08 PIPE - PIPE		1FW03DB-16" NOTE 4 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-03-09 PIPE - PIPE		1FW03DB-16" NOTE 4 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-04-20 ELBOW - PIPE		1FW03DC-16" NOTE 4 NOTE 7	100%	VOL-E	VOL-E	NRI
R-A	R01.11	1FW-12-30 PIPE - TEE		1FW81BD-6" NOTE 4 NOTE 5 NOTE 7	100%	VOL-E	VOL-E	GEOM.
R-A	R01.11	1FW-12-31 6"X4" REDUCER - TEE		1FW06AD-6" NOTE 4 NOTE 5 NOTE 7	100%	VOL-E	VOL-E	GEOM.
R-A	R01.11	1FW-12-32 TEE - PIPE		1FW87CD-6" NOTE 4 NOTE 5 NOTE 7	100%	VOL	VOL	GEOM.
R-A	R01.11	1FW-12-33 PIPE - ELBOW		1FW87CD-6" NOTE 4 NOTE 5 NOTE 7	100%	VOL	VOL	NRI
R-A	R01.11	1FW-12-34 ELBOW - PIPE		1FW87CD-6" NOTE 4 NOTE 5 NOTE 7	100%	VOL	VOL	NRI
R-A	R01.11	1FW-12-35 PIPE - ELBOW		1FW87CD-6" NOTE 4 NOTE 5 NOTE 7	100%	VOL	VOL	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Feedwater System (FW)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
R-A R01.11	1FW-12-36 ELBOW - PIPE	1FW87CD-6"		NOTE 4 NOTE 5 NOTE 7	100%	VOL	VOL	NRI
R-A R01.11	1FW-12-37 PIPE - 16"x6" WELDOLET	1FW87CD-6"		NOTE 4 NOTE 5 NOTE 7	100%	VOL	UT-45 UT-60	GEOM. GEOM.

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
R-A R01.20	1RC-02-04A BRANCH CONNECTION - THERMOWELL	THERMOWELL		NOTE 4		VT-2	VT-2	NRI
R-A R01.20	1RC-03-21A BRANCH CONNECTION - THERMOWELL	THERMOWELL		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-01-03 PIPE - BRANCH CONNECTION	1RC16AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-01-04 PIPE - BRANCH CONNECTION	1RC16AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-02-03 ELBOW - PIPE	1RC16AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-02-04 ELBOW - PIPE	1RC16AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-03-03 PIPE - ELBOW	1RC16AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-03-04 PIPE - ELBOW	1RC16AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-04-03 ELBOW - PIPE	1RC16AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-04-04 ELBOW - PIPE	1RC16AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-05-03 PIPE - ELBOW	1RC16AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-05-04 PIPE - ELBOW	1RC16AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-06-03 VALVE 1RC8038C - PIPE	1RC16AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-29-06-04 VALVE 1RC8038D - PIPE	1RC16AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-31-01 BRANCH CONNECTION - PIPE	1RC14AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-31-02 PIPE - VALVE 1RC8039B	1RC14AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-31-03 VALVE 1RC8039B - PIPE	1RC14AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-31-04 PIPE - TEE	1RC14AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-31-05 TEE - 2"x.75" REDUCER	1RC14AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-31-06 TEE - PIPE	1RC14AB-2"		NOTE 4		VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
R-A R01.11	1RC-31-07 PIPE - VALVE 1RC8037B	1RC14AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-01 BRANCH CONNECTION - PIPE	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-02 PIPE - ELBOW	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-03 ELBOW - PIPE	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-04 PIPE - VALVE 1RC8039A	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-05 VALVE 1RC8039A - PIPE	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-06 PIPE - TEE	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-07 TEE - 2"X.75" REDUCER	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-08 TEE - PIPE	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-09 PIPE - VALVE 1RC8037A	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-20 PIPE - TEE	1RC14AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-36-22 TEE - 2"X1" REDUCER	1RC86AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-01 BRANCH - PIPE	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-02 PIPE - ELBOW	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-03 ELBOW - PIPE	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-04 PIPE - VALVE 1RC8039D	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-05 VALVE 1RC8039D - PIPE	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-06 PIPE - TEE	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-07 TEE - 2"X.75" REDUCER	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-37-08 TEE - PIPE	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
R-A R01.11	1RC-37-09 PIPE - VALVE 1RC8037D	1RC14AD-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-01AA PIPE - BRANCH CONNECTION	1RC16AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-01AB PIPE - BRANCH CONNECTION	1RC16AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-02AA ELBOW - PIPE	1RC16AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-02AB ELBOW - PIPE	1RC16AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-03AA PIPE - ELBOW	1RC16AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-03AB PIPE - ELBOW	1RC16AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-04AA ELBOW - PIPE	1RC16AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-04AB VALVE 1RC8038B - PIPE	1RC16AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-05AA PIPE - ELBOW	1RC16AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-41-06AA VALVE 1RC8038A - PIPE	1RC16AA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-01 BRANCH CONNECTION - PIPE	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-02 PIPE - ELBOW	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-03 ELBOW - PIPE	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-04 PIPE - VALVE 1RC8039C	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-05 VALVE 1RC8039C - PIPE	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-06 PIPE - TEE	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-07 TEE - 2"x3/4" REDUCER	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-08 TEE - PIPE	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1RC-42-09 PIPE - VALVE 1RC8037C	1RC14AC-2"		NOTE 4		VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
B-G-2 B07.10	1RV-03-GREYLOCK COUPLRC01R 2 RVLIS ASSEMBLIES					VT-1	VT-1	NRI
B-G-1 B06.10	1RV-03-NUTS (01 TO 54) 1RC01R CLOSURE HEAD NUTS (54 TOTAL)		I2R-19			VT-1	VT-1	NRI
NOTE: Examined nuts on studs 5 through 22.								
B-G-1 B06.20	1RV-03-STUDS(01 TO 54) 1RC01R					SUR	MT	NRI
B06.30	CLOSURE HEAD STUDS (54 TOTAL)					VOL	VOL	NRI
NOTE: Examined studs in stud hole numbers 5 through 22.								
B-G-1 B06.50	1RV-03-WASHERS 1RC01R CLOSURE WASHERS (01 TO 54)					VT-1	VT-1	NRI
NOTE: Examined washer sets on studs 5 through 22.								
B-Q B16.20	1SG-05-1RC01BA TUBING1RC01BA STEAM GENERATOR TUBING					VOL	VOL	IND.
100% Full Length Bobbin inspection of the 2A Steam Generator tubes. 8 tubes plugged.								
B-Q B16.20	1SG-06-1RC01BB TUBING1RC01BB STEAM GENERATOR TUBING					VOL	VOL	IND.
54% Full Length Bobbin inspection of the 2B Steam Generator tubes. 10 tubes plugged.								
B-G-1 B06.90	1SG-06-SGB-01 1RC01BB					VOL	VOL	NRI
B06.100	PRIMARY MANWAY (20 STUDS and NUTS)					VT-1	VT-1	NRI
B06.110								
B-G-1 B06.90	1SG-06-SGB-02 1RC01BB					VOL	VOL	NRI
B06.100	PRIMARY MANWAY (20 STUDS and NUTS)					VT-1	VT-1	NRI
B06.110								
B-Q B16.20	1SG-07-1RC01BC TUBING1RC01BC STEAM GENERATOR TUBING					VOL	VOL	IND.
54% Full Length Bobbin inspection of the 2C Steam Generator tubes. 3 tubes plugged.								
B-Q B16.20	1SG-08-1RC01BC TUBING1RC01BD STEAM GENERATOR TUBING					VOL	VOL	NRI
54% Full Length Bobbin inspection of the 2D Steam Generator tubes.								
R-A R01.11	1SI-16-23 1RC30AD-1.5" PIPE - 3"x1½" REDUCER			NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-17-01 1RC30AB-1.5" PIPE - 3"x1½" REDUCER			NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-17-02 1RC30AB-1.5" VALVE 1SI8900B - PIPE			NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-31-02 1RC30AA-1.5" VALVE 1SI8900A - PIPE			NOTE 4		VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
C-C C03.30	1RHP-01-RHP-01 (A PUMP) RH01PA PUMP SUPPORT PAD		I2R-02 I2R-15	NOTE 4		SUR VT-1	PT VT-1	NRI NRI
C-C C03.30	1RHP-01-RHP-02 (A PUMP) RH01PA PUMP SUPPORT PAD		I2R-02 I2R-15	NOTE 4		SUR VT-1	PT VT-1	NRI NRI
C-C C03.30	1RHP-01-RHP-03 (A PUMP) RH01PA PUMP SUPPORT PAD		I2R-02 I2R-15	NOTE 4		SUR VT-1	PT VT-1	NRI NRI
C-B C02.21 C02.22	1RHX-01-1RHXN1 (A HX) 1RH02AA NOZZLE - SHELL		I2R-07	NOTE 4		SUR VT-2	PT VT-2	NRI NRI
Satisfies the Relief Request I2R-07 requirements for Interval 2, Period 2.								
C-B C02.21 C02.22	1RHX-01-1RHXN1 (B HX) 1RH02AB NOZZLE - SHELL		I2R-07	NOTE 4		SUR VT-2	PT VT-2	NRI NRI
Satisfies the Relief Request I2R-07 requirements for Interval 2, Period 2.								
C-B C02.21 C02.22	1RHX-01-1RHXN2 (A HX) 1RH02AA NOZZLE - SHELL		I2R-07	NOTE 4		SUR VT-2	PT VT-2	NRI NRI
C-B C02.21 C02.22	1RHX-01-1RHXN2 (B HX) 1RH02AB NOZZLE - SHELL		I2R-07	NOTE 4		SUR VT-2	PT VT-2	NRI NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
R-A R01.11	1CV-02-13 VALVE 1CV8377 - PIPE	1RY18A-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-02-16 PIPE - ELBOW	1RY18A-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1CV-02-17 ELBOW - PIPE	1RY18A-2"		NOTE 4		VT-2	VT-2	NRI
B-D B03.110 B03.120	1PZR-01-N1 PRESSURIZER - SURGE NOZZLE	1RY01S	I2R-08	NOTE 4		VT-2	VT-2	NRI
B-D B03.110 B03.120	1PZR-01-N4B PRESSURIZER - SAFETY NOZZLE	1RY01S		NOTE 4	100%	IRS	IRS	NRI
B-D B03.110 B03.120	1PZR-01-N4C PRESSURIZER - SAFETY NOZZLE	1RY01S		NOTE 4	100%	IRS	IRS	NRI
R-A R01.20	1RC-32-02 ELBOW - PIPE	1RY03AA-6"		NOTE 4	100%	VOL-E	VOL-E	NRI
R-A R01.20	1RC-32-07 SAFE END - ELBOW	1RY03AB-6"		NOTE 4	100%	VOL	VOL	NRI
R-A R01.20	1RC-32-13 SAFE END - ELBOW	1RY03AC-6"		NOTE 4	100%	VOL	VOL	NRI
B-G-2 B07.50	1RC-32-B5 FLANGED CONNECTION (12 STUDS)	1RY03BB-6"				VT-1	VT-1	NRI
B-G-2 B07.50	1RC-32-B6 FLANGED CONNECTION (12 STUDS)	1RY03BC-6"				VT-1	VT-1	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
B-G-2 B07.70	1SI-01-1SI8948A (BLT) 1SI8948A CHECK VALVE (18 BLT)	1SI09BA-10"		NOTE 3		VT-1	VT-1	NRI
R-A R01.16	1SI-01-28 PIPE - PIPE	1SI09BA-10"		NOTE 4	100%	VOL	VOL	NRI
R-A R01.11	1SI-10-25 PIPE - ELBOW	1SI18FC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-10-26.01 ELBOW - PIPE	1SI18FC-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-18-23 VALVE 1SI8810B - PIPE	1SI08JB-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-18-24 PIPE - ELBOW	1SI08JB-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-18-25 ELBOW - PIPE	1SI08JB-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-18-26 PIPE - ELBOW	1SI08JB-1.5"		NOTE 4		VT-2	VT-2	NRI
B-G-2 B07.50	1SI-18-B1 FLANGED CONNECTION (8 STUDS)	1SI08HB-2"				VT-1	VT-1	NRI
R-A R01.11	1SI-19-01 BRANCH CONNECTION - PIPE	1SI08GA-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-06 COUPLING - PIPE	1SI08HA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-07 PIPE - FLANGE	1SI08HA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-08 FLANGE - PIPE	1SI08HA-2"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-14 PIPE - ELBOW	1SI08JA-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-15 ELBOW - PIPE	1SI08JA-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-16 PIPE - VALVE 1SI8810A	1SI08JA-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-17 VALVE 1SI8810A - PIPE	1SI08JA-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A R01.11	1SI-19-18 PIPE - FLANGE	1SI08JA-1.5"		NOTE 4		VT-2	VT-2	NRI
B-G-2 B07.50	1SI-20-B1 FLANGED CONNECTION (4 STUDS)	1SI08JC-1.5"				VT-1	VT-1	NRI
Minor rust on studs.								
B-G-2 B07.50	1SI-20-B2 FLANGED CONNECTION (8 STUDS)	1SI08HC-2"				VT-1	VT-1	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments								
B-G-2 B07.50	1SI-20-B3 FLANGED CONNECTION (8 STUDS)	1SI08HD-2"				VT-1	VT-1	NRI
B-G-2 B07.50	1SI-20-B4 FLANGED CONNECTION (4 STUDS)	1SI08JD-1.5"				VT-1	VT-1	NRI
Boron spray from valve 1SI089 (identified in Mode 3).								
C-C C03.20	1SI-24-SW12,18,19,20 (4) LUG ATTACH. FOR 1SI06042V	1SI06BB-24"	I2R-15	NOTE 4		SUR	PT	NRI
94% coverage.								
R-A R01.20	1SI-35-10 CAP - PIPE	1SI01B-24"		NOTE 4 NOTE 7		VOL-E VOL-E VOL-E	UT-45 UT-60 UT-70	NRI GEOM. NRI
					100%			
R-A R01.20	1SI-35-42 ELBOW - VALVE 1CS001A	1SI53AA-14"		NOTE 4 NOTE 7	50% 50% 50%	VOL-E VOL-E VOL-E	UT-45 UT-60 UT-70	NRI GEOM. NRI
Unable to achieve 100% coverage, (pipe to valve). Will require a substitute RI-ISI weld selection in A1R11.								
R-A R01.20	1SI-35-44 PIPE - PIPE	1SI82AA-12"		NOTE 4 NOTE 7		VOL-E VOL-E	UT-45 UT-70	NRI NRI
					100%			
R-A R01.20	1SI-38-54 PIPE - PIPE	1SI82AB-12"		NOTE 4 NOTE 7		VOL-E VOL-E	UT-45 UT-70	NRI NRI
					100%			

Section 3.2 Detailed Inservice Inspection Component Support Listing
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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.40	1RH01PA 1A RHR PP., integrally attached to pump	1RH01PA		NOTE 8	VT-3/4	NRI
Direct Examination						

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.20	1SI01027G Slide Plate	1SI05CA-8"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI02002V (1) Variable Spring Can	1SI05CA-8"		NOTE 8	VT-2	NRI
Direct Examination. Design Loads Cold: 1741#, Hot: 1720#. As found load in cold position: 1740#.						
F-A F01.20	1SI02004R Box	1SI05CA-8"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI02007G (3) Struts	1SI05CA-8"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI03011X (1) Strut	1SI05CD-8"		NOTE 8	VT-2	NRI
Direct Examination						
F-A F01.20	1SI06003R Box	1SI01B-24"		NOTE 8	VT-3/4	NRI
Direct Examination.						
F-A F01.20	1SI06004X (2) Struts	1SI01B-24"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI06005R (2) Struts	1SI01B-24"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI06037R (2) Struts, integrally attached to pipe	1SI06BB-24"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI06042V (2) Variable Spring Cans, IWA to pipe	1SI06BB-24"		NOTE 8	VT-3/4	NRI
Design Cold Load: 4238#, Design Hot Load: 4138#. As found load (cold): 4200#. Remote Examination: 4' away.						
F-A F01.20	1SI06078G U-Bolt	1SI01B-24"		NOTE 8	VT-3/4	NRI
Direct Examination.						
F-A F01.20	1SI06085X (1) Strut	1SI01B-24"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI06106G (2) Struts	1SI53AB-14"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI06124R Slide Plate	1SI06BA-24"		NOTE 8	VT-3/4	NRI
Direct Examination						

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.20	1SI06203X (1) Strut	1SI06BB-24"		NOTE 8	VT-3/4	NRI
Direct Examination						
F-A F01.20	1SI08005R Slide Plate	1SI05CB-8"		NOTE 8	VT-2	NRI
Direct Examination						
F-A F01.20	1SI18040R (2) Struts	1SI01A-8"		NOTE 8	VT-3/4	NRI
Direct Examination						

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Essential Service Water System (SX)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.20	1PC-007A Anchor, integrally attached to pipe	1SX06BB-16"		NOTE 8	VT-2 VT-2	NRI NRI
Direct Examination. 02/17/03 exam was on component outside containment and 2/24/03 exam was on component inside the containment. Minor surface rust and paint chips identified, No material wastage.						
F-A F01.20	1SX06014X Box	1SX06EA-10"		NOTE 8	VT-3/4	NRI
Direct Examination. Surface rust identified, no wastage.						

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Main Steam System (MS)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.20	1MS01083AS Snubber, integrally attached to pipe	1MS07AD-28"	I2R-14		VT-2 Functional VT-3/4	NRI NRI NRI
Serial Number: 9215 (A1R10 Test)						
F-A F01.20	1MS01083BS Snubber, integrally attached to pipe	1MS07AD-28"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
Serial Number: 10088 (A1R10 Test)						
F-A F01.20	1MS07006AS Snubber, integrally attached to pipe	1MS01AC-32.75"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
Serial Number: 11153 (A1R10 Test)						
F-A F01.20	1MS07006BS Snubber, integrally attached to pipe	1MS01AC-32.75"	I2R-14		VT-2 Functional VT-3/4	NRI NRI NRI
Serial Number 11123 (A1R10 Test)						

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.10	1CV14004S Snubber	1RC16AD-2"	I2R-14		VT-3/4 Functional Functional VT-3/4	NRI IND. NRI NRI
Snubber Serial No. 12102 replaced due to marginal test results in compression / drag. New snubber (S.N. 10428) Installed. Baseline test results were: .006 (Activation in Tension), .007 (Activation in Compression), 8 LBS. (Drag in Tension), and 6 Lbs. Drag in Compression).						
F-A F01.40	1RC01BA-A Snubber	S.G A	I2R-14		VT-3/4	NRI
Reservoir level acceptable.						
F-A F01.40	1RC01BA-B Snubber	S.G A	I2R-14		VT-3/4 Functional VT-3/4	NRI IND. N/A
Steam Generator Snubber (S.N. 18) Reference CR No. 154523. Early Activation in compression. Previously evaluated as acceptable. Ref. S&L Evaluation SFP-32, 11/07/89. Snubber was examined hot in mode 3 ascending to verify unrestricted movement. No leakage identified during the seal pressure test.						
F-A F01.40	1RC01BB-A Snubber	S.G B	I2R-14		VT-3/4	NRI
F-A F01.40	1RC01BB-B Snubber	S.G B	I2R-14		VT-3/4	IND.
Fluid leakage identified at the piston seal at ambient temperature. (Ref. CR 154802). Snubber was examined at normal operating temperature on 04/15/05 and again on 04/17/03. No leakage was identified during either examination. Credited VT-3 was performed on 04/20/03. 16 dpm leakage was identified at the piston seal. Disposition was to monitor snubber through plant heat up (post A1R10). This evolution was performed and leakage was verified to cease to exist with sytem operating temperature at approx 190 degrees F. Reservoir level was topped off and is acceptable.						
F-A F01.40	1RC01BC-A Snubber	S.G C	I2R-14		VT-3/4	NRI
Steam Generator Snubber.						
F-A F01.40	1RC01BC-B Snubber	S.G C	I2R-14		VT-3/4	NRI
Steam Generator Snubber						
F-A F01.40	1RC01BD-A Snubber	S.G D	I2R-14		VT-3/4	NRI
Steam Generator Snubber						
F-A F01.40	1RC01BD-B Snubber	S.G D	I2R-14		VT-3/4	NRI
Steam Generator Snubber						
F-A F01.10	1RC03005S Snubber	1RC21AC-8"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A F01.10	1RC03007S Snubber	1RC21AC-8"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.10	1RC17058S Snubber	1RC22AB-1.5"	I2R-14		VT-3/4 Functional Functional VT-3/4	NRI IND. NRI NRI
As installed snubber (S.N. 3889) was replaced by a new snubber (S.N. 12925) due to marginal drag test results in compression. Replacement snubber test results were Tension Activation: .011g., Compression Activation: .012g., Tension Drag: 5.5 Lbs. And Compression Drag: 6 Lbs.						
F-A F01.10	1RC19054S Snubber	1RC22AD-1.5"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.10	1RH02054S Snubber	1RH01AA-12"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A F01.20	1RH08015S Snubber	1RH02AB-8"	I2R-14		VT-2	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.10	1RY06026S Snubber	1RY01B-6"	I2R-14		VT-2 Functional VT-3/4	NRI NRI NRI
F-A F01.10	1RY06082S Snubber	1RY01B-6"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
F-A F01.10	1RH02023S Snubber	1SI04D-8"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A NA	1SI01006S Snubber	1SI09BA-10"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A F01.20	1SI01025S Snubber	1SI05CA-8"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
Serial Number 20095 (A1R10 Test)						
F-A F01.10	1SI03020S Snubber	1SI05DD-6"	I2R-14		VT-2	NRI
VT-3 REQUIRED / COMPLETED DUE TO RI BEING IDENTIFIED DURING PREVIOUS INSPECTION. (A1R09)						
F-A F01.10	1SI03021S Snubber	1SI05DD-6"	I2R-14		VT-3/4	NRI
VT-3 REQUIRED / COMPLETED DUE TO RI BEING IDENTIFIED DURING PREVIOUS INSPECTION. (A1R09)						
F-A F01.10	1SI03046AS Snubber	1SI05DD-6"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A F01.10	1SI03046BS Snubber	1SI05DD-6"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A F01.10	1SI04019S Snubber	1SI05DB-6"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A F01.10	1SI09037S Snubber	1SI05DC-6"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
F-A F01.10	1SI16029S Snubber	1SI18FC-2"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
Serial Number 14789 (A1R10 Test)						
F-A F01.20	1SI18086S Snubber	1SI02BB-6"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI
Serial Number 7357 (A1R10 Test)						
F-A F01.10	1SI24012S Snubber	1SI08JA-1.5"	I2R-14		VT-3/4 Functional VT-3/4	NRI NRI NRI

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing

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SYSTEM: Plant Systems Pressurized During Mode 3 (ZZ)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
B-P B15.10	A01ZZ-000005-M04-01A	I2R-05	NOTE13	VT-2	N/A
B15.20	Periodic (each refueling outage) ASME Section XI Pressure Test &	I2R-12	NOTE14	VT-2	N/A
B15.30	Generic Letter 88-05.	I2R-13	NOTE17		
B15.50		I2R-30			
B15.60/70		I2R-31			
Reactor coolant system was held at NOP/NOT for four hours prior to the start of the inspection.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
B-P B15.50	1CV-06-B1 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGE BOLTING (4 STUDS)	I2R-13			
No evidence of boric acid leakage was identified. Location inside containment.					
C-H C07.70	1CV123 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV123 VLV (6 STUDS)	I2R-13			
Location: Containment Outside Missile Barrier. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV381B (C-H)	I2R-12		VT-2	IND.
C07.80	1CV381B VLV (8 STUDS)	I2R-13		VT-1	NRI
Dry, white boric acid residue identified at the body to bonnet connection. Valve was repaired during refuel outage A1R10 under Work Order 563353. Gasket was replaced and bolting was subjected to a VT-1 exam. No degradation identified. Location: Outside Containment (Aux. Building).					
B-P B15.70	1CV459 (B-P)	I2R-12		VT-2	IND.
B15.71	1CV459 GLOBE VLV (6 STUDS)	I2R-13		VT-1	NRI
Minor accumulation of dry / white boric acid residue identified at the body to connection. VT-1 exam performed with no evidence of degradation. Condition is acceptable as is. Valve will be re-examined during refuel outage A1R11. Reference Evaluation 2003-01-021. Location: Containment Outside Missile Barrier.					
B-P B15.70	1CV460 (B-P)	I2R-12		VT-2	NRI
B15.71	1CV460 GLOBE VLV (6 STUDS)	I2R-13			
Location: Containment Inside Missile Barrier. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8107A (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8107A VLV (10 STUDS)	I2R-13			
Examination performed due to evidence of leakage (dry boron) being identified during previous outage. No evidence of boron identified. Location: Outside Containment (Aux. Building).					
C-H C07.70	1CV8112 (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8112 VLV (8 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. Boron accumulation is light and leakage is not active. Residue identified at packing and on bolting. No degradation identified. Acceptable as is. Examine again during A1R11.					
C-H C07.70	1CV8117 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8117 VLV (6 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8121 (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8121 VLV (4 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. Light accumulation of boric acid residue identified on bolting and flanges. VT-1 exam was performed on bolting in the assembled condition. No degradation identified. The repairs have been completed under Work Order no. 457659.					
C-H C07.70	1CV8142 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8142 VLV (6 STUDS)	I2R-13			
Location Inside Containment OMB. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8143 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8143 VLV (4 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
B-P B15.70	1CV8145 (B-P)	I2R-12		VT-2	NRI
B15.71	1CV8145 GLOBE VLV (6 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
C-H C07.70	1CV8146 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8146 VLV (6 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8147 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8147 VLV (6 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8149A (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8149A VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. Minor dry boric acid identified to exist at the packing / stem area. No active leakage identified. Boron was dry. Boron cleaned off and VT-1 exam performed. No degradation identified. Examine again during A1R11.					
C-H C07.70	1CV8149B (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8149B VLV (6 STUDS)	I2R-13		VT-1	NRI
Minor accumulation of dry / white boric acid residue identified at body to bonnet connection. VT-1 exam performed with no evidence of degradation. Condition is acceptable as is. Valve will be re-examined during refuel outage A1R11. Reference Evaluation 2003-01-020. Location Containment Outside Missile Barrier.					
C-H C07.70	1CV8149C (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8149C VLV (6 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
B-P B15.70	1CV8153A (B-P)	I2R-12		VT-2	IND.
B15.71	1CV8153A VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. Valve was repaired during outage A1R10 as a result of leakage identified during A1R09. Reference Work Order No. 364379-01. Bolting was removed and VT-1 exam completed. Bolting was replaced as nuts could not be removed from studs for examination. However corrosion that reduced the cross sectional area of the material was not identified on the accessible portion of the bolting.					
B-P B15.70	1CV8153B (B-P)	I2R-12		VT-2	IND.
B15.71	1CV8153B VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. As a result of leakage identified at the body to bonnet connection during A1R09, the body to bonnet gasket on this valve was replaced during A1R10. Ref. Work Order 364388. The bolting was removed and VT-1 exam completed. No evidence of degradation was identified.					
C-H C07.70	1CV8160 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8160 VLV (6 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8320A (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8320A VLV (16 STUDS)	I2R-13		VT-1	NRI
Minor accumulation of dry / white boric acid residue identified at check valve cover to body connection. VT-1 exam performed with no evidence of degradation. Condition is acceptable as is. Valve will be re-examined during refuel outage A1R12. Reference Evaluation 2003-01-015. Location: Containment Outside Missile Barrier.					
C-H C07.70	1CV8320B (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8320B VLV (16 STUDS)	I2R-13		VT-1	NRI
Minor accumulation of dry / white boric acid residue identified at check valve cover to body connection. VT-1 exam performed with no evidence of degradation. Condition is acceptable as is. Valve will be re-examined during refuel outage A1R12. Reference Evaluation 2003-01-016. Location Containment Outside Missile Barrier.					
C-H C07.70	1CV8321A (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8321A VLV (10 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
C-H C07.70	1CV8321B (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8321B VLV (10 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. Dry boric acid residue identified at the packing area (not in the area of bolting). Boron was cleaned off and VT-1 exam performed. No degradation identified, acceptable as is.					
C-H C07.70	1CV8322A (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8322A VLV (10 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. Evidence of dry boron identified at the packing / stem area. No active leakage identified. Boron was cleaned off and VT-1 exam performed. No degradation identified. Acceptable as is. Valve will be examined again during A1R11.					
C-H C07.70	1CV8322B (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8322B VLV (10 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8323A (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8323A VLV (16 STUDS)	I2R-13		VT-1	NRI
Minor accumulation of dry / white boric acid residue identified at check valve cover to body connection. Debris also identified. VT-1 exam performed with no evidence of degradation. Condition is acceptable as is. Valve will be re-examined during refuel outage A1R12. Reference Evaluation 2003-01-017. Location Containment Outside Missile Barrier.					
C-H C07.70	1CV8323B (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8323B VLV (16 STUDS)	I2R-13		VT-1	NRI
Minor accumulation of dry / white boric acid residue identified at check valve cover to body connection. Debris also identified. VT-1 exam performed with no evidence of degradation. Condition is acceptable as is. Valve will be re-examined during refuel outage A1R12. Reference Evaluation 2003-01-018. Location Containment Outside Missile Barrier.					
C-H C07.70	1CV8374 (C-H)	I2R-12		VT-2	NRI
C07.80	1CV8374 VLV (4 STUDS)	I2R-13			
Location: Inside Containment OMB. No evidence of boric acid leakage was identified.					
B-P B15.70	1CV8378A (B-P)	I2R-12		VT-2	NRI
B15.71	1CV8378A CHECK VLV (16 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
B-P B15.70	1CV8378B (B-P)	I2R-12		VT-2	NRI
B15.71	1CV8378B CHECK VLV (16 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
B-P B15.70	1CV8379A (B-P)	I2R-12		VT-2	IND.
B15.71	1CV8379A CHECK VLV (16 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Minor dry / white boric acid residue identified in localized area at the body to cover connection. No active leakage identified. Studs, body, and cover are stainless steel. No degradation identified during the VT-1 Examination. Acceptable as is. Valve will be examined again during A1R11 outage. Reference Evaluation No. 2003-01-010.					
B-P B15.70	1CV8379B (B-P)	I2R-12		VT-2	NRI
B15.71	1CV8379B CHECK VLV (16 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
C-H C07.70	1CV8389A (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8389A VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment OMB. Evidence of active leakage was identified during the Post A1R10 Outage Mode 3 exams. Leakage was at the packing connection. Packing was tightened under Work Order 571153. Leakage was verified to be stopped. No degradation identified during the VT-1 exam. Acceptable as is.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
C-H C07.70	1CV8389B (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8389B VLV (6 STUDS)	I2R-13		VT-1	NRI
Location Containment Outside Missile Barrier. Minor accumulation of dry / white boric acid residue identified at body to bonnet connection and at packing area. VT-1 exam performed with no evidence of degradation. Condition is acceptable as is. Valve will be re-examined during refuel outage A1R11. Reference Evaluation 2003-01-019.					
C-H C07.70	1CV8401B (C-H)	I2R-12		VT-2	IND.
C07.80	1CV8401B VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Outside Containment (Aux. Building). Dry, white boric acid residue identified at the body to bonnet connection. Valve was repaired during refuel outage A1R10 under Work Order 563352. Gasket was replaced and bolting was subjected to a VT-1 exam. No degradation identified.					
B-P B15.50	PG-2546C-014 F-2-2 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
C-H C07.30	PG-2546C-018 F-1-5 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13		VT-1	NRI
Light accumulation of boric acid residue identified on bolting and flanges. VT-1 exam was performed on bolting in the assembled condition. No degradation identified. The repairs have been completed under Work Order no. 457659.					
C-H C07.30	PG-2546C-020 F-1-1 (C-H)	I2R-12		VT-2	IND.
C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13		VT-1	NRI
Location: Containment (Outside Missile Barrier). Evidence of dry boric acid (reddish and white in color) identified during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material Reference Evaluation 2003-01-022. Reference Work Request 98228 for repairs (gasket replacement) during A1R11. Accept as is for next operating cycle.					
C-H C07.30	PG-2546C-041 F-1-1 (C-H)	I2R-12		VT-2	IND.
C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment. (Outside Missile Barrier). Evidence of dry boric acid (heavy reddish corrosion residue) identified between flange mating surfaces and on bolting during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-027. Reference Work Request 98345 for repairs (replace gaskets and bolting) during next outage (A1R11). Accept as is.					
C-H C07.30	PG-2546C-063 F-1-1 (C-H)	I2R-12		VT-2	IND.
C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment Outside Missile Barrier. Evidence of dry boric acid (reddish / white in color) identified between flange mating surfaces during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-026. Reference Work Request 98318 for repairs (replace gaskets and bolting) during refuel outage A1R11. Accept as is. Location: Inside Containment Outside Missile Barrier..					
C-H C07.30	PG-2546C-068 F-1 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment Outside Missile Barrier. No evidence of boric acid leakage was identified.					
C-H C07.30	PG-2546C-076 F-1-3 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment Outside Missile Barrier. Boron was identified at the flanged connection for relief valve 1CV8117. Gasket replaced under Work Order 459713 during outage A1R10. No degradation of bolting identified.					
C-H C07.30	PG-2546C-083 FL-1-2 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
Location: Inside Containment Outside Missile Barrier. No evidence of boric acid leakage was identified.					
C-H C07.30	PG-2546C-089 FL-1-1 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
Location: Inside Containment Outside Missile Barrier. No evidence of boric acid leakage was identified.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
C-H C07.30	PG-2546C-090 F-1-1 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
Location: Inside Containment Outside Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.50	PG-2546C-091 F-2-3 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment Inside Missile Barrier. No evidence of boric acid leakage was identified.					
C-H C07.30	PG-2546C-093 F-1 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment Outside Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.50	PG-2546C-101 F-2-3 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment Inside Missile Barrier. No evidence of boric acid leakage was identified.					
C-H C07.30	PG-2546C-111 F-1-2 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
Location: Inside Containment Outside Missile Barrier. No evidence of boric acid leakage was identified.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing
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SYSTEM: Pressurizer (PZR)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
B-P B15.20	1PZR-01-B1 (B-P)	I2R-12		VT-2	NRI
B15.21	MANWAY BOLTING (16 TOTAL)	I2R-13			
Location: Inside Containment Top of Pressurizer. No evidence of boric acid leakage was identified.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
B-P B15.50	1RC-19-B3 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
B-P B15.50	1RC-20-B1 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
B-P B15.50	1RC-23-B1 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
B-P B15.50	1RC-27-B1 (B-P)	I2R-12		VT-2	NRI
B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
B-P B15.70	1RC8036A (B-P)	I2R-12		VT-2	IND.
B15.71	1RC8036A GLOBE VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Evidence of dry / white dry boric acid identified at the packing / stem area. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-007. Accept as is. Valve was cleaned of boron and packing adjusted under W/R 94100.					
B-P B15.70	1RC8036B (B-P)	I2R-12		VT-2	IND.
B15.71	1RC8036B GLOBE VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Evidence of dry / white dry boric acid identified at the packing / stem area. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-008. Accept as is. Valve packing to be replaced during refuel Outage A1R11 under W/R 559305.					
B-P B15.70	1RC8036C (B-P)	I2R-12		VT-2	IND.
B15.71	1RC8036C GLOBE VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Evidence of dry / white dry boric acid identified at the packing / stem area. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-009. Accept as is. Valve packing to be replaced during refuel Outage A1R11 under Work Order 99072681.					
B-P B15.70	1RC8036D (B-P)	I2R-12		VT-2	NRI
B15.71	1RC8036D GLOBE VLV (6 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of leakage identified					
B-P B15.70	1RC8037A (B-P)	I2R-12		VT-2	NRI
B15.71	1RC8037A GLOBE VLV (6 STUDS)	I2R-13			
Location: Inside Containment IMB. No evidence of boric acid leakage was identified.					
B-P B15.70	1RC8037B (B-P)	I2R-12		VT-2	IND.
B15.71	1RC8037B GLOBE VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Heavy dry boric acid residue identified at stud to nut connections. The components were cleaned and VT-1 examination performed. No evidence of bolting degradation identified. Reference Evaluation 2003-01-012. Valve will be repaired (gasket replaced) under Work Order 565506 during refuel outage A1R11. Acceptable for continued service until the next refuel outage (A1R11).					
B-P B15.70	1RC8037C (B-P)	I2R-12		VT-2	IND.
B15.71	1RC8037C GLOBE VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Dry boric acid residue identified at body to bonnet connections. The components were cleaned and VT-1 examination performed. No evidence of bolting degradation identified. Reference Evaluation 2003-01-013. Valve will be repaired (gasket replaced) under Work Request 97609 during refuel outage A1R11. Acceptable for continued service until the next refuel outage (A1R11)					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
B-P B15.70	1RC8037D (B-P)	I2R-12		VT-2	IND.
B15.71	1RC8037D GLOBE VLV (6 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Evidence of dry / white boric acid identified at one of the stud connections and in localized area of the body to bonnet connection. No active leakage identified. No degradation identified during the VT-1 exam. Condition is acceptable as is until refuel outage A1R11 when repairs will be completed under Work Order Number 565587.					
B-P B15.70	1RC8085 (B-P)	I2R-12		VT-2	IND.
B15.71	1RC8085 GATE VLV (16 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment IMB. Dry white boric acid identified at localized area 0.50" diameter at the body to bonnet connection. VT-1 exam revealed no indications. Acceptable as is until A1R11 at which time the valve will be re-examined. Reference Evaluation No. 2003-01-014.					
B-P B15.10	1RV-03-STUDS (01 TO 54, B-P)	I2R-13		VT-2	NRI
B15.11	CLOSURE HEAD STUDS (54 TOTAL)	I2R-31			
Location: Inside Containment (Reactor Cavity). No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-05-SGB-01 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-05-SGB-02 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-06-SGB-01 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-06-SGB-02 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-07-SGB-01 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-07-SGB-02 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-08-SGB-01 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.30	1SG-08-SGB-02 (B-P)	I2R-13		VT-2	NRI
B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
C-H C07.30	1RH01MB (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of boric acid leakage was identified.					
C-H C07.30	1RH-02 F-1-1 (C-H)	I2R-12		VT-2	IND.
C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	IND.
Location: Outside Containment (Aux. Building). Evidence of dry boric acid identified between flange mating surfaces during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material Reference Evaluation 2003-01-023. Reference Work Request 98258 for repairs (torque joint) at next opportunity. Accept as is.					
C-H C07.30	1RH-02 F-2-1 (C-H)	I2R-12		VT-2	IND.
C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	N/A
Location: Outside Containment (Aux. Building). Evidence of dry boric acid identified between flange mating surfaces during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material Reference Evaluation 2003-01-023. Reference Work Request 98258 for repairs (torque joint) at next opportunity. Accept as is.					
C-H C07.30	1RH-02 F-4 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of leakage identified.					
C-H C07.30	1RH-03 F-2 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (24 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of leakage identified.					
C-H C07.30	1RH-05 F-1 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (24 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of boric acid leakage was identified.					
C-H C07.30	1RH-05 F-2 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (24 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of boric acid leakage was identified.					
C-H C07.30	1RH-05 F-3-1 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of boric acid leakage was identified.					
C-H C07.30	1RH-06 F-1-1 (C-H)	I2R-12		VT-2	NRI
C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of boric acid leakage was identified.					
C-H C07.30	1RH-07 F-2-1 (C-H)	I2R-12		VT-2	IND.
C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	NRI
Location: Outside Containment (Aux. Building). Evidence of dry boric acid identified between flange mating surfaces during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material Reference Evaluation 2003-01-028. Reference Work Request 98362 for repairs (torque joint) at next opportunity. Accept as is.					
C-H C07.30	1RH-07 F-3-1 (C-H)	I2R-12		VT-2	IND.
C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	NRI
Location: Outside Containment (Aux. Building). Evidence of dry boric acid identified between flange mating surfaces and on bolting during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-028. Reference Work Request 98362 for repairs (torque joint) at next opportunity. Accept as is.					
C-H C07.70	1RH606 (C-H)	I2R-12		VT-2	NRI
C07.80	1RH606 VLV (4 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of leakage was identified.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
C-H C07.70	1RH610 (C-H)	I2R-12		VT-2	NRI
C07.80	1RH610 VLV (16 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of leakage was identified.					
C-H C07.70	1RH611 (C-H)	I2R-12		VT-2	NRI
C07.80	1RH611 VLV (16 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of leakage was identified.					
C-H C07.70	1RH618 (C-H)	I2R-12		VT-2	NRI
C07.80	1RH618 VLV (4 STUDS)	I2R-13			
Location: Outside Containment (Aux. Building). No evidence of leakage was identified.					
C-H C07.70	1RH8724A (C-H)	I2R-12		VT-2	IND.
C07.80	1RH8724A VLV (16 STUDS)	I2R-13		VT-1	N/A
Location: Outside Containment (Aux. Building). Evidence of dry boric acid identified at body to bonnet connection during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material Reference Evaluation 2003-01-024. Reference Work Request 98261 for repairs (replace gasket and nuts) at next opportunity (next 1A RHR Pump Work Window. Accept as is.					
C-H C07.70	1RH8730A (C-H)	I2R-12		VT-2	IND.
C07.80	1RH8730A VLV (16 STUDS)	I2R-13		VT-1	N/A
Location: Outside Containment (Aux. Building). Evidence of dry boric acid identified between cover and body during the examination. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-025. Reference Work Request 98305 for repairs (replace check valve cover gasket) at next opportunity. Accept as is.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
B-P B15.70	1RY455B (B-P)	I2R-12		VT-2	NRI
B15.71	1RY455B GLOBE VALVE (8 STUDS)	I2R-13			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.70	1RY455C (B-P)	I2R-12		VT-2	NRI
B15.71	1RY455C GLOBE VALVE (8 STUDS)	I2R-13			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.70	1RY8000A (B-P)	I2R-12		VT-2	IND.
B15.71	1RY8000A GATE VALVE (16 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment (Pressurizer). Evidence of dry / white dry boric acid identified at the body to bonnet connection. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-005. Accept as is. No active leakage and light residue. Valve will be examined again during A1R11 refuel outage.					
B-P B15.70	1RY8000B (B-P)	I2R-12		VT-2	IND.
B15.71	1RY8000B GATE VALVE (16 STUDS)	I2R-13		VT-1	NRI
Location: Inside Containment (Pressurizer). Evidence of dry / white dry boric acid identified at the body to bonnet connection. Subsequent VT-1 exam revealed no degradation or wastage of material. Reference Evaluation 2003-01-006. Accept as is. No active leakage and light residue. Valve will be examined again during A1R11 refuel outage.					

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments					
B-P B15.70	1SI8948A (B-P)	I2R-13		VT-2	NRI
B15.71	1SI8948A CHECK VALVE (18 STUDS)	I2R-30			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage identified.					
B-P B15.70	1SI8948B (B-P)	I2R-13		VT-2	NRI
B15.71	1SI8948B VLV (18 STUDS)	I2R-30			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					
B-P B15.70	1SI8949C (B-P)	I2R-13		VT-2	NRI
B15.71	1SI8949C VLV (16 STUDS)	I2R-30			
Location: Inside Containment Missile Barrier. No evidence of boric acid leakage was identified.					

4.0 NIS-1 FORM

As required by IWA-6000 of Section XI, this section contains the Owner's Report for Inservice Inspections, Form NIS-1, for the preservice and inservice examination of Class 1 and Class 2 pressure retaining components and their supports.

FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules****(Page 1 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Component Cooling System (CC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01CC-000002-M04-01A	Phillips Getschow	N/A	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 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195

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.
Code Category: C-H A01CS-000003-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01CS-000003-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01CS-000003-M04-01C	Phillips Getschow	N/A	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 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: R-A 1CV-05-03	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-05-04	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-05-05	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-05-06	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-05-13	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-05-14.01	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: B-P 1CV-06-B1 (B-P)	Phillips Getschow	F-1-1 (4 STUDS)	N/A	N/A
Code Category: R-A 1CV-11-06	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-11-07	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: C-H 1CV123 (C-H)	Phillips Getschow	1CV123 (C-H)	N/A	N/A
Code Category: C-H 1CV381B (C-H)	Phillips Getschow	1CV381B (C-H)	N/A	N/A
Code Category: B-P 1CV459 (B-P)	Copes Vulcan	7310-95288-203-1	N/A	497
Code Category: B-P 1CV460 (B-P)	Copes Vulcan	7310-95288-203-2	N/A	530

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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 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: C-H 1CV8112 (C-H)	Phillips Getschow	1CV8112 (C-H)	N/A	N/A
Code Category: C-H 1CV8117 (C-H)	Phillips Getschow	1CV8117 (C-H)	N/A	N/A
Code Category: C-H 1CV8121 (C-H)	Phillips Getschow	1CV8121 (C-H)	N/A	N/A
Code Category: C-H 1CV8142 (C-H)	Phillips Getschow	1CV8142 (C-H)	N/A	N/A
Code Category: C-H 1CV8143 (C-H)	Phillips Getschow	1CV8143 (C-H)	N/A	N/A
Code Category: B-P 1CV8145 (B-P)	Copes Vulcan	7310-95288-201-1	N/A	298
Code Category: C-H 1CV8146 (C-H)	Phillips Getschow	1CV8146 (C-H)	N/A	N/A
Code Category: C-H 1CV8147 (C-H)	Phillips Getschow	1CV8147 (C-H)	N/A	N/A
Code Category: C-H 1CV8149A (C-H)	Phillips Getschow	1CV8149A (C-H)	N/A	N/A
Code Category: C-H 1CV8149B (C-H)	Phillips Getschow	1CV8149B (C-H)	N/A	N/A
Code Category: C-H 1CV8149C (C-H)	Phillips Getschow	1CV8149C (C-H)	N/A	N/A
Code Category: B-P 1CV8153A (B-P)	Phillips Getschow	1CV8153A (B-P)	N/A	N/A
Code Category: B-P 1CV8153B (B-P)	Phillips Getschow	1CV8153B (B-P)	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 5 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: C-H 1CV8160 (C-H)	Phillips Getschow	1CV8160 (C-H)	N/A	N/A
Code Category: C-H 1CV8320A (C-H)	Phillips Getschow	1CV8320A (C-H)	N/A	N/A
Code Category: C-H 1CV8320B (C-H)	Phillips Getschow	1CV8320B (C-H)	N/A	N/A
Code Category: C-H 1CV8321A (C-H)	Phillips Getschow	1CV8321A (C-H)	N/A	N/A
Code Category: C-H 1CV8321B (C-H)	Phillips Getschow	1CV8321B (C-H)	N/A	N/A
Code Category: C-H 1CV8322A (C-H)	Phillips Getschow	1CV8322A (C-H)	N/A	N/A
Code Category: C-H 1CV8322B (C-H)	Phillips Getschow	1CV8322B (C-H)	N/A	N/A
Code Category: C-H 1CV8323A (C-H)	Phillips Getschow	1CV8323A (C-H)	N/A	N/A
Code Category: C-H 1CV8323B (C-H)	Phillips Getschow	1CV8323B (C-H)	N/A	N/A
Code Category: C-H 1CV8374 (C-H)	Phillips Getschow	1CV8374 (C-H)	N/A	N/A
Code Category: B-P 1CV8378A (B-P)	Westinghouse	2574024803000CS 880000000	N/A	W11274
Code Category: B-P 1CV8378B (B-P)	Westinghouse	2574024903000CS 880000000	N/A	W11275
Code Category: B-P 1CV8379A (B-P)	Westinghouse	2574025003000CS 880000000	N/A	W11276

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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 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: B-P 1CV8379B (B-P)	Westinghouse	2574025203000CS 880000000	N/A	W11278
Code Category: C-H 1CV8389A (C-H)	Phillips Getschow	1CV8389A (C-H)	N/A	N/A
Code Category: C-H 1CV8389B (C-H)	Phillips Getschow	1CV8389B (C-H)	N/A	N/A
Code Category: C-H 1CV8401B (C-H)	Phillips Getschow	1CV8401B (C-H)	N/A	N/A
Code Category: R-A 1RC-36-15	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-16	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-17	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-18	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-11	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-12	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: C-H A01CV-000004-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01CV-000004-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: B-P PG-2546C-014 F-2-2 (B-P)	Phillips Getschow	F-2-2 (4 STUDS)	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
 (Page 7 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: C-H PG-2546C-018 F-1-5 (C-H)	Phillips Getschow	F-1-5 (4 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-020 F-1-1 (C-H)	Phillips Getschow	F-1-1 (4 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-041 F-1-1 (C-H)	Phillips Getschow	F-1-1 (4 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-063 F-1-1 (C-H)	Phillips Getschow	F-1-1 (4 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-068 F-1 (C-H)	Phillips Getschow	F-1 (4 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-076 F-1-3 (C-H)	Phillips Getschow	F-1-3 (8 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-083 FL-1-2 (C-H)	Phillips Getschow	FL-1-2(8 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-089 FL-1-1 (C-H)	Phillips Getschow	FL-1-1(8 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-090 F-1-1 (C-H)	Phillips Getschow	F-1-1 (8 STUDS)	N/A	N/A
Code Category: B-P PG-2546C-091 F-2-3 (B-P)	Phillips Getschow	F-2-3 (4 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-093 F-1 (C-H)	Phillips Getschow	F-1 (4 STUDS)	N/A	N/A
Code Category: B-P PG-2546C-101 F-2-3 (B-P)	Phillips Getschow	F-2-3 (4 STUDS)	N/A	N/A
Code Category: C-H PG-2546C-111 F-1-2 (C-H)	Phillips Getschow	F-1-2 (8 STUDS)	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules****(Page 8 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Fuel Pool Cooling System (FC)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01FC-000001-M04-01C	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01FC-000001-M04-01D	Phillips Getschow	N/A	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules****(Page 9 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Fire Protection System (FP)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01FP-000089-M04-02A	Phillips Getschow	N/A	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 10 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

7. Components Inspected Feedwater System (FW)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: R-A 1FW-01-04	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-01-05	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-01-17	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-01-18	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-01-37	ComEd \ Bechtel	P-FWD-492 FW4	N/A	N/A
Code Category: R-A 1FW-03-07	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-03-08	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-03-09	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-04-20	Phillips Getschow	1FW-1:N-5	N/A	N/A
Code Category: R-A 1FW-12-30	ComEd \ N/P, SW Venture	WR980003862-02	N/A	N/A
Code Category: R-A 1FW-12-31	ComEd \ N/P, SW Venture	WR980003862-02	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 11 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195

7. Components Inspected Nitrogen System (NT)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01NT-000004-M04-01A	Phillips Getschow	N/A	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 12 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Process Radiation Monitoring System (PR)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01PR-000004-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01PR-000004-M04-01B	Phillips Getschow	N/A	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 13 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

7. Components Inspected Process Sampling System (PS)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01PS-000009-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01PS-000009-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01PS-000009-M04-01C	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01PS-000009-M04-01D	Phillips Getschow	N/A	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 14 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Pressurizer (PZR)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: B-P 1PZR-01-B1 (B-P)	Westinghouse	2101	U-199012	18696

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
 (Page 15 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: R-A 1RC-02-04A	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-03-21A	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: B-P 1RC-19-B3 (B-P)	Phillips Getschow	B3 (4 STUDS)	N/A	N/A
Code Category: B-P 1RC-20-B1 (B-P)	Phillips Getschow	B1 (4 STUDS)	N/A	N/A
Code Category: B-P 1RC-23-B1 (B-P)	Phillips Getschow	B1 (4 STUDS)	N/A	N/A
Code Category: B-P 1RC-27-B1 (B-P)	Phillips Getschow	B1 (4 STUDS)	N/A	N/A
Code Category: R-A 1RC-29-01-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-01-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-02-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-02-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-03-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-03-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-04-03	Phillips Getschow	1RC-1 N-5	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 16 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)
3. Plant Unit 1 **4. Owner Certificate Of Authorization (if required)** N/A
5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195
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.
Code Category: R-A 1RC-29-04-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-05-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-05-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-06-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-29-06-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-31-01	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-31-02	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-31-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-31-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-31-05	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-31-06	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-31-07	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-01	Phillips Getschow	1RC-1 N-5	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 17 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: R-A 1RC-36-02	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-04	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-05	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-06	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-07	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-08	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-09	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-20	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-36-22	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-01	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-02	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-03	Phillips Getschow	1RC-1 N-5	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 18 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: R-A 1RC-37-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-05	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-06	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-07	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-08	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-37-09	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-01AA	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-01AB	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-02AA	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-02AB	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-03AA	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-03AB	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-04AA	Phillips Getschow	1RC-1 N-5	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 19 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)
3. Plant Unit 1 **4. Owner Certificate Of Authorization (if required)** N/A
5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195
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.
Code Category: R-A 1RC-41-04AB	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-05AA	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-41-06AA	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-01	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-02	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-03	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-04	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-05	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-06	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-07	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-08	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: R-A 1RC-42-09	Phillips Getschow	1RC-1 N-5	N/A	N/A
Code Category: B-P 1RC8036A (B-P)	Copes / Vulcan	7310-95288-248-1	N/A	656

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
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1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
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.
Code Category: B-P 1RC8036B (B-P)	Copes / Vulcan	7310-95288-248-2	N/A	657
Code Category: B-P 1RC8036C (B-P)	Copes / Vulcan	7310-95288-248-3	N/A	668
Code Category: B-P 1RC8036D (B-P)	Copes / Vulcan	7310-95288-248-4	N/A	669
Code Category: B-P 1RC8037A (B-P)	Copes / Vulcan	7310-95288-248-5	N/A	676
Code Category: B-P 1RC8037B (B-P)	Copes / Vulcan	7310-95288-248-6	N/A	677
Code Category: B-P 1RC8037C (B-P)	Copes / Vulcan	7310-95288-248-7	N/A	684
Code Category: B-P 1RC8037D (B-P)	Copes / Vulcan	7310-95288-248-8	N/A	682
Code Category: B-P 1RC8085 (B-P)	Westinghouse	574028403000GH8 800000000	N/A	W14282
Code Category: B-G-2 1RV-03-GREYLOCK COUPL	Babcock & Wilcox	640-0014-52	B24360	N-195
Code Category: B-G-1 1RV-03-NUTS (01 TO 54)	Babcock & Wilcox	N/A	N/A	N-195
Code Category: B-P 1RV-03-STUDS (01 TO 54, B	Babcock & Wilcox	N/A	N/A	N-195
Code Category: B-G-1 1RV-03-STUDS(01 TO 54)	Babcock & Wilcox	N/A	N/A	N-195
Code Category: B-G-1 1RV-03-WASHERS	Babcock & Wilcox	N/A	N/A	N-195

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules****(Page 21 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
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.
Code Category: B-Q 1SG-05-1RC01BA TUBING	ComEd \ BWI	7735-01	U237763	168
Code Category: B-P 1SG-05-SGB-01 (B-P)	ComEd \ BWI	7735-01	U237763	168
Code Category: B-P 1SG-05-SGB-02 (B-P)	ComEd \ BWI	7735-01	U237763	168
Code Category: B-Q 1SG-06-1RC01BB TUBING	ComEd \ BWI	7735-03	U237761	170
Code Category: B-G-1 1SG-06-SGB-01	ComEd \ BWI	7735-03	U237761	170
Code Category: B-P 1SG-06-SGB-01 (B-P)	ComEd \ BWI	7735-03	U237761	170
Code Category: B-G-1 1SG-06-SGB-02	ComEd \ BWI	7735-03	U237761	170
Code Category: B-P 1SG-06-SGB-02 (B-P)	ComEd \ BWI	7735-03	U237761	170
Code Category: B-Q 1SG-07-1RC01BC TUBING	ComEd \ BWI	7735-02	U237762	169
Code Category: B-P 1SG-07-SGB-01 (B-P)	ComEd \ BWI	7735-02	U237762	169
Code Category: B-P 1SG-07-SGB-02 (B-P)	ComEd \ BWI	7735-02	U237762	169
Code Category: B-Q 1SG-08-1RC01BC TUBING	ComEd \ BWI	7735-04	U237760	171
Code Category: B-P 1SG-08-SGB-01 (B-P)	ComEd \ BWI	7735-04	U237760	171

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
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.
Code Category: B-P 1SG-08-SGB-02 (B-P)	ComEd \ BWI	7735-04	U237760	171
Code Category: R-A 1SI-16-23	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-17-01	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-17-02	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-31-02	Phillips Getschow	1SI-3 N-5	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules****(Page 23 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Reactor Bldg. Equipment Drain and Vent System (RE)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01RE-000004-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RE-000004-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RE-000004-M04-01C	Phillips Getschow	N/A	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS

As required by the Provisions of the ASME Code Rules

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1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Auxiliary Building Floor Drain System (RF)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01RF-000004-M04-01A	Phillips Getschow	N/A	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
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1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)
3. Plant Unit 1 **4. Owner Certificate Of Authorization (if required)** N/A
5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195
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.
Code Category: C-H 1RH01MB (C-H)	Phillips Getschow	1RH01MB (C-H)	N/A	N/A
Code Category: F-A 1RH01PA	Phillips Getschow	1RH01PA	N/A	N/A
Code Category: C-H 1RH-02 F-1-1 (C-H)	Phillips Getschow	F-1-1(20 STUDS)	N/A	N/A
Code Category: C-H 1RH-02 F-2-1 (C-H)	Phillips Getschow	F-2-1(20 STUDS)	N/A	N/A
Code Category: C-H 1RH-02 F-4 (C-H)	Phillips Getschow	1RH02MA (C-H)	N/A	N/A
Code Category: C-H 1RH-03 F-2 (C-H)	Phillips Getschow	F-2 (24 STUDS)	N/A	N/A
Code Category: C-H 1RH-05 F-1 (C-H)	Phillips Getschow	F-1 (24 STUDS)	N/A	N/A
Code Category: C-H 1RH-05 F-2 (C-H)	Phillips Getschow	F-2 (24 STUDS)	N/A	N/A
Code Category: C-H 1RH-05 F-3-1 (C-H)	Phillips Getschow	F-9 (12 STUDS)	N/A	N/A
Code Category: C-H 1RH-06 F-1-1 (C-H)	Phillips Getschow	F-1-1(12 STUDS)	N/A	N/A
Code Category: C-H 1RH-07 F-2-1 (C-H)	Phillips Getschow	F-2-1(20 STUDS)	N/A	N/A
Code Category: C-H 1RH-07 F-3-1 (C-H)	Phillips Getschow	F-3-1(20 STUDS)	N/A	N/A
Code Category: F-A 1RH08015S	Phillips Getschow	9863	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
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1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
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.
Code Category: C-H 1RH606 (C-H)	Phillips Getschow	1RH606 (C-H)	N/A	N/A
Code Category: C-H 1RH610 (C-H)	Phillips Getschow	1RH610 (C-H)	N/A	N/A
Code Category: C-H 1RH611 (C-H)	Phillips Getschow	1RH611 (C-H)	N/A	N/A
Code Category: C-H 1RH618 (C-H)	Phillips Getschow	1RH618 (C-H)	N/A	N/A
Code Category: C-H 1RH8724A (C-H)	Phillips Getschow	1RH8724A (C-H)	N/A	N/A
Code Category: C-H 1RH8730A (C-H)	Phillips Getschow	1RH8730A (C-H)	N/A	N/A
Code Category: C-C 1RHP-01-RHP-01 (A PUMP)	Westinghouse	1RH01PA	N/A	N/A
Code Category: C-H A01RH-000003-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RH-000003-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RH-000003-M04-01D	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RH-000003-M04-01E	Phillips Getschow	N/A	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 27 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)
3. Plant Unit 1 **4. Owner Certificate Of Authorization (if required)** N/A
5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195
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.
Code Category: R-A 1CV-02-13	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-02-16	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: R-A 1CV-02-17	Phillips Getschow	1CV-1 N-5	N/A	N/A
Code Category: B-D 1PZR-01-N4B	Westinghouse	2101	N/A	W18696
Code Category: B-D 1PZR-01-N4C	Westinghouse	2101	N/A	W18696
Code Category: R-A 1RC-32-02	Phillips Getschow	1RY-1:N-5	N/A	N/A
Code Category: R-A 1RC-32-07	Phillips Getschow	1RY-1:N-5	N/A	N/A
Code Category: R-A 1RC-32-13	Phillips Getschow	1RY-1:N-5	N/A	N/A
Code Category: B-G-2 1RC-32-B5	Phillips Getschow	N/A	N/A	N/A
Code Category: B-G-2 1RC-32-B6	Phillips Getschow	N/A	N/A	N/A
Code Category: B-P 1RY455B (B-P)	Fisher Control	7022731	N/A	5185
Code Category: B-P 1RY455C (B-P)	Fisher Control	7022730	N/A	5019
Code Category: B-P 1RY8000A (B-P)	Westinghouse	S74001403000GM 88FNH00000	N/A	W14375

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 28 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: B-P 1RY8000B (B-P)	Westinghouse	S74001503000GM 88FNH00000	N/A	W14376
Code Category: C-H A01RY-000004-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RY-000004-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RY-000004-M04-01C	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01RY-000004-M04-01E	Phillips Getschow	N/A	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules****(Page 29 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Diesel Generator Starting Air System (SA)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01SA-000001-M04-01A	Phillips Getschow	N/A	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 30 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
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.
Code Category: F-A 1SI01027G	Phillips Getschow	1SI01027G	N/A	N/A
Code Category: B-G-2 1SI-01-1SI8948A (BLT)	Phillips Getschow	1SI-2:N-5	N/A	N/A
Code Category: R-A 1SI-01-28	Phillips Getschow	1SI-2:N-5	N/A	N/A
Code Category: F-A 1SI02002V	Phillips Getschow	1SI02002V	N/A	N/A
Code Category: F-A 1SI02004R	Phillips Getschow	1SI02004R	N/A	N/A
Code Category: F-A 1SI02007G	Phillips Getschow	1SI02007G	N/A	N/A
Code Category: F-A 1SI03011X	Phillips Getschow	1SI03011X	N/A	N/A
Code Category: F-A 1SI03020S	Phillips Getschow	9728	N/A	N/A
Code Category: F-A 1SI03021S	Phillips Getschow	5640	N/A	N/A
Code Category: F-A 1SI06003R	Phillips Getschow	1SI06003R	N/A	N/A
Code Category: F-A 1SI06004X	Phillips Getschow	1SI06004X	N/A	N/A
Code Category: F-A 1SI06005R	Phillips Getschow	1SI06005R	N/A	N/A
Code Category: F-A 1SI06037R	Phillips Getschow	1SI06037R	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
As required by the Provisions of the ASME Code Rules
(Page 31 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: F-A 1SI06042V	Phillips Getschow	1SI06042V	N/A	N/A
Code Category: F-A 1SI06078G	Phillips Getschow	1SI06078G	N/A	N/A
Code Category: F-A 1SI06085X	Phillips Getschow	1SI06085X	N/A	N/A
Code Category: F-A 1SI06106G	Phillips Getschow	1SI06106G	N/A	N/A
Code Category: F-A 1SI06124R	Phillips Getschow	1SI06124R	N/A	N/A
Code Category: F-A 1SI06203X	Phillips Getschow	1SI06203X	N/A	N/A
Code Category: F-A 1SI08005R	Phillips Getschow	1SI08005R	N/A	N/A
Code Category: R-A 1SI-10-25	Phillips Getschow	1SI-2 N-5	N/A	N/A
Code Category: R-A 1SI-10-26.01	Phillips Getschow	1SI-2 N-5	N/A	N/A
Code Category: F-A 1SI18040R	Phillips Getschow	1SI18040R	N/A	N/A
Code Category: R-A 1SI-18-23	Phillips Getschow	1SI-2 N-5	N/A	N/A
Code Category: R-A 1SI-18-24	Phillips Getschow	1SI-2 N-5	N/A	N/A
Code Category: R-A 1SI-18-25	Phillips Getschow	1SI-2 N-5	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS**As required by the Provisions of the ASME Code Rules****(Page 32 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195

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.
Code Category: R-A 1SI-18-26	Phillips Getschow	1SI-2 N-5	N/A	N/A
Code Category: B-G-2 1SI-18-B1	Phillips Getschow	1SI-2:N-5	N/A	N/A
Code Category: R-A 1SI-19-01	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-06	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-07	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-08	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-14	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-15	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-16	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-17	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: R-A 1SI-19-18	Phillips Getschow	1SI-3 N-5	N/A	N/A
Code Category: B-G-2 1SI-20-B1	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: B-G-2 1SI-20-B2	Phillips Getschow	1SI-3:N-5	N/A	N/A

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FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTIONS
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1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)
3. Plant Unit 1 **4. Owner Certificate Of Authorization (if required)** N/A
5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195
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.
Code Category: B-G-2 1SI-20-B3	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: B-G-2 1SI-20-B4	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: C-C 1SI-24-SW12,18,19,20	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: R-A 1SI-35-10	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: R-A 1SI-35-42	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: R-A 1SI-35-44	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: R-A 1SI-38-54	Phillips Getschow	1SI-3:N-5	N/A	N/A
Code Category: B-P 1SI8948A (B-P)	Phillips Getschow	1SI8948A (B-P)	N/A	N/A
Code Category: B-P 1SI8948B (B-P)	Phillips Getschow	1SI8948B (B-P)	N/A	N/A
Code Category: B-P 1SI8949C (B-P)	Phillips Getschow	1SI8949C (B-P)	N/A	N/A
Code Category: C-H A01SI-000010-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01C	Phillips Getschow	N/A	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 34 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)
3. Plant Unit 1 **4. Owner Certificate Of Authorization (if required)** N/A
5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195
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.
Code Category: C-H A01SI-000010-M04-01D	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01F	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01G	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01J	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01K	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01L	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01M	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01N	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SI-000010-M04-01P	Phillips Getschow	N/A	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 35 of 38)

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
 (Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
 (Name and Address of Plant)
3. Plant Unit 1 **4. Owner Certificate Of Authorization (if required)** N/A
5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195
7. Components Inspected Essential Service Water System (SX)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: F-A 1PC-007A	Phillips Getschow	1PC-007A	N/A	N/A
Code Category: F-A 1SX06014X	Phillips Getschow	1SX06014X	N/A	N/A
Code Category: C-H A01SX-000011-M04-01N	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SX-000011-M04-01P	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SX-000011-M04-01T	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01SX-000011-M04-01U	Phillips Getschow	N/A	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 36 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)

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

5. Commercial Service Date 7/29/88 **6. National Board Number for Unit** N-195

7. Components Inspected Primary Containment Purge System (VQ)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A01VQ-000004-M04-01A	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01VQ-000004-M04-01B	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01VQ-000004-M04-01C	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01VQ-000004-M04-01D	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01VQ-000004-M04-01E	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A01VQ-000004-M04-01F	Phillips Getschow	N/A	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 37 of 38)**

1. Owner Exelon Generation Co., LLC, 300 Exelon Way, Kennett Square PA 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 S. Rt. 53, Suite 84, Braceville, Illinois 60407
(Name and Address of Plant)
3. Plant Unit 1 4. Owner Certificate Of Authorization (if required) N/A
5. Commercial Service Date 7/29/88 6. National Board Number for Unit N-195
7. Components Inspected Containment Chilled Water System (WO)

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Code Category: C-H A00WO-000001-M04-01C	Phillips Getschow	N/A	N/A	N/A
Code Category: C-H A00WO-000001-M04-01D	Phillips Getschow	N/A	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 38 of 38)

(BACK)

8. Examination Dates October 13, 2001 to May 2, 2003

9. Inspection Period Identification: Second Inspection Period

10. Inspection Interval Identification: Second Inspection Interval

11. Applicable Edition of Section XI 1989 Addenda No Addenda

12. Date/Revision of Inspection Plan: Second Interval ISI Program Plan, Revision 5

13. Abstract of Examinations and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan.

A summary of examinations is discussed in Section 2, with a detailed listing of examinations contained in Section 3.

14. Abstract of Results of Examination and Tests.

A summary and discussion of examination results are contained with the detailed listing of examinations provided in Section 3.

15. Abstract of Corrective Measures.

A summary of corrective measures are contained with the detailed listing of examinations provided in Section 3.

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

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A
Date 7/17/03 20 03 Signed Exelon Braidwood Station By [Signature]
Owner

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 CT and employed by HSB CT of CT have inspected the components described in this Owner's Report during the period 10-13-2001 to 5-2-2003, 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 Inspection Plan and as required by the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in 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] Commisions NB#8756, IL#1085 N, I, C
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17- 2003

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.

5.0 REPORT OF CONTAINMENT DEGRADATION

The Nuclear Regulatory Commission (NRC) has amended its Code of Federal Regulations (10CFR 50.55a) to incorporate by reference the 1992 Edition with the 1992 Addenda of Subsection IWE (Requirements for Class MC and Metallic Liners of Class CC Components of Light-Water Cooled Power Plants) and Subsection IWL (Requirements for Class CC Components of Light-Water Cooled Power Plants) of ASME Section XI, Division 1, with specified modifications and a limitation noted. This segment is included in the Inservice Inspection Summary report required by IWA-6000 of ASME Section XI to meet the reporting conditions specified in 10CFR 50.55a(b)(2)(viii)(A)-(E) and 10CFR 50.55a(b)(2)(ix)(A)-(E).

5.1 Containment Tendon Water Surveillance

No recent tendon surveillances performed.

5.2 IWE Augmented Class CC Liner Exam

5.2.1 Description of Degradation

A Section XI IWE augmented examination, which includes a VT-1 surface examination and ultrasonic examination per the requirements of ASME Section XI, Table IWE-2500-1, Examination Category E-C of the Class CC liner was scheduled for A1R10. This was the first scheduled IWE augmented examination of the Unit 1 liner. Exelon Procedure ER-AA-330-007 was used to perform this augmented examination. Exam Data Form Attachment 4 from Exelon Procedure ER-AA-335-018 was generated to characterize the extent of indications on the Class CC liner as a result of VT-1 examination.

The IWE VT-1 examination is summarized in the following paragraphs:

Nineteen augmented areas were examined. Eighteen of these areas had insignificant changes in the depth of metal reduction. The maximum metal reduction found was identical to the A1R08 reduction of 5/64" deep. This was at location #3 which remained unchanged. There was one area #17, which had an increase in metal reduction from 1/64" to 2/64". This increase in depth was found after the liner was surface prepped for Level 1 coating application. There was no active corrosion found in any of the areas.

There were three previously undocumented areas found in near proximity of one another. Two of these areas were found prior to liner surface cleaning and the third was found after the liner was prepared for Level 1 coating application. The maximum metal reduction found was 5/64". These three areas had the moisture barrier (MB) in tact prior to cutout. The Cerablanket below the moisture barrier was dry and there was no sign of any active corrosion.

Supplemental exams in accordance with the requirements of ASME Subsection IWE-3200, which included a visual VT-1 and a volumetric examination, which included an ultrasonic examination, have been performed in the vicinity of the three previously undocumented indications that had metal reduction in excess of 10% of the containment wall thickness. Additional action was taken to cut-out an approximately 3" deep by 5" long wedge of the Styrofoam below the indication that had 5/64" metal reduction to further examine the liner below the cut-out; A VT-1 was performed of this area and there was only some minor surface corrosion found. A second wedge approximately 3" deep by 5" long was also cut-out in the Styrofoam below another indication that had 1/64" increase in metal reduction; The VT-1 of liner in this cutout area also had only minor surface corrosion. The three previously undocumented areas will be documented as augmented and will be examined over the next three periods.

The nineteen augmented areas were ultrasonically examined and the following are the results:

All augmented areas as well as the newly documented areas were ultrasonically examined. The IWE-3512-3 ultrasonic examination requirement of not exceeding 10% nominal containment wall thickness was met at all augmented areas. The liner thickness varied from 0.249" to 0.280". Nominal liner thickness is 0.25". No further evaluation is required for the ultrasonic results.

The above-described conditions of the accessible areas (where the MB and Cerablanket were removed in A1R10) do not indicate the presence of or result in degradation to inaccessible areas that are located below the accessible areas.

5.2.2 Acceptability of Flaws

Calculation 5.2.6-BRW-98-1090 and Calculation BYR98-004 had addressed localized defects in the liner plate membrane in the form of gouges created during the concrete removal activities for the Steam Generator Replacement (SGR) projects at both Byron and Braidwood Stations. The calculations evaluate the effect of these defects based on criterion from Calculation 5.2.6.1 4 for plate design in conjunction with conservative plate behavior characteristics. These calculations conclude that gouge depths as great as 1/8 inch are acceptable. The additional buckling strain introduced by the reduced thickness of the plate, when combined with the non-thickness dependent strains, results in a total strain of approximately 0.00834 in/in, which is below the code allowable strain of 0.01400 in/in.

Since the reduction in the liner plate thickness evaluated in calculation 5.2.6-BRW-98-1090 is not source dependent, i.e. gouges, nicks, etc., localized reduction in the liner plate thickness due to corrosion and degradation can also be evaluated using the same methodology and conclusions. Therefore, reductions in liner plate thickness as great as 1/8 inch due to corrosion and degradation are also acceptable.

The defects in the liner plate recorded in the inspection report have been reviewed and evaluated with respect to this acceptance criterion. The defects identified are all bounded by this 1/8-inch plate thickness reduction limit and are therefore acceptable as-is.

Local defects in the Braidwood containment liner plates not exceeding 1/8 inch in depth are acceptable. The reduction of plate thickness in the areas of degradation is less than 1/8-inch.

The maximum of 1/8" reduced thickness of the liner plate has been shown by analysis to satisfy the requirements of the design specifications. Therefore, liner reduction is acceptable for continued service without removal or repair in accordance with IWE-3122.4.

5.2.3 Probable Cause of Degradation:

The degradation to the liner was a result of moisture barrier aging. This was determined during A1R08 outage. The moisture barrier degradation combined with impingement of water as a result of fan cooler condensate leakage established the conditions for liner degradation. Water had a path to flow between the MB and the liner. Water was entrapped below the Tremco epoxy sealant into the Cerablanket material and above the adhesive used to anchor the compressible material in the 2-inch annular space between the basemat and the liner. The surface of the liner remained wetted, and with the presence of oxygen, the liner began to degrade. The localized maximum wastage of material was measured to be 5/64 of an inch, which is 32 % of the liners nominal thickness of 1/4 inch.

It is apparent that the corrective actions that were performed during A1R08 appeared to have corrected the problem of any further liner metal reduction. The examined areas were dry and there

was no active corrosion found beneath the removed moisture barrier. The corrective actions that took place during A1R08 were as follows:

1) Remove the entire moisture barrier and 3" of cerablanket below it; 2) Recoat the exposed liner below the moisture barrier with Service Level 1 qualified coating; and 3) Install new dry Cerablanket and moisture barrier.

5.2.4 Corrective Actions from Outage A1R10

The exposed liner area directly below the MB approximately 4" in width, where the augmented exam was performed was surface prepared for Level I coatings application. A Service Level 1 qualified coating was applied to the portion of the liner below the moisture barrier that was exposed for augmented exam per work order 366538. New dry Cerablanket material was installed below the MB. The MB was restored per work order 447461. Portions of the Class CC liner below the MB will be categorized and examined as Category E-C in the Braidwood Unit 1 IWE Program Plan.

The entire moisture barrier was removed during A1R08 outage. This A1R10 exam is an augmented exam of areas found exceeding 10% metal reduction during A1R08. The exposed liner areas had moisture barrier in tact and the removed Cerablanket was dry. The liner was also dry and there was no evidence of active liner corrosion taking place. The previously undocumented areas were probably there in A1R08. The metal reduction in these areas does not exceed the acceptance criteria of maximum 8/64" reduction. Since the examination areas were dry, the maximum metal reduction was not exceeded, and no active corrosion was taking place there is no indications of degradation conditions in any other inaccessible areas. The entire moisture barrier was also VT-3 examined with no indications identified that would allow any water intrusion to take place.

All previously identified augmented areas were examined. There were supplemental exams performed on the areas that were not previously identified in A1R08. These supplemental exams were VT-1 visual and an ultrasonic examination. The metal reduction in these areas did not exceed the acceptance criteria of maximum 8/64" reduction. Therefore, the observed metal reductions are acceptable and no additional examinations in accordance with IWE-2430 are required.

The augmented areas with no change shall be re-examined over the next 2 periods. The augmented areas that have some change or are newly documented will be re-examined in each of the subsequent inspection periods until the areas examined remain essentially unchanged for three (3) consecutive inspection periods.

6.0 NIS-2 FORM (OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS)**SUMMARY OF NIS-2 FORMS**

System	ASME Code Classification	
	Code Class 1	Code Class 2
Containment Spray (CS)	-	2
Chemical & Volume Control (CV)	2	9
Feedwater (FW)	-	1
Main Steam (MS)	-	7
Reactor Coolant (RC)	2	1
Residual Heat Removal (RH)	1	6
Reactor Pressurizer (RY)	3	1
Steam Generator Blowdown (SD)	-	
Safety Injection (SI)	-	1
Primary Containment (PC)	-	6 (Class MC)
NIS-2 Re-submittals ¹		
Chemical & Volume Control (CV)	-	1
Main Steam (MS)	-	1
Residual Heat Removal (RH)	-	1
Total		

Total NIS 2 Forms - 45**Total Pages - 93**

See Attached NIS 2 Forms for reference

¹ These NIS-2 reports were originally provided in the A1R09 summary report dated January 10, 2002. A note was added to these NIS-2s that Code Case N-416-1 was applied to these activities, therefore, they are being resubmitted

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 Generation Co., LLC Date 04-25-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00566081 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Chemical & Volume Control (CV)
- 5 (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, (*) Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 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)
<i>Snubber</i>	<i>IIT Grinnell</i>	<i>14737</i> <i>N/A</i>	<i>N/A</i>	<i>UTC 2669593</i>	<i>1978</i>	<i>Replacement</i>	<i>No</i>

7. Description of Work Replace Snubber 1CV24024S
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT3 performed

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.

(*)
Code Cases Applicable: 1644 Rev. 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734

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

ITT Grinnell LTR 4/17/03 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 G. Daniel Date 4/25, 2003
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 HSR of CT have inspected the components described in this Owner's Report during the period 4-19-03 to 4-26-03, 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 IL 1025
National Board, State, Province, and Endorsements

Date 4-26, 2003

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 Generation Co., LLC Date 04-25-03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00566427 - 01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System Chemical & Volume Control (CV)
- 5 (a) Applicable Construction Code Section III 1974 Edition, S' 74 Addenda, (*) Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, N/A Code Class 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)
<i>Snubber</i>	<i>ITT Grinnell</i>	<i>10428</i> <i>N/A</i>	<i>N/A</i>	<i>UTC 2669592</i>		<i>Replacement</i>	<i>No</i>

7. Description of Work Replace Snubber 1CV14004S
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F

VT3 Performed

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

ITT GRUNNELL LTR 4/17/06 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 _____ Non Applicable

Certificate of Authorization No. _____ Non Applicable

Signed G. A. Daniel Date 4/26, 20 03
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 of Province of Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4-20-03 to 4-26-03, 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. Hines
Inspector's Signature

Commissions ASME 1085
National Board, State, Province, and Endorsements

Date 4-26, 20 03

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 Generation Co., LLC Date 04-26-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00410882 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Reactor Coolant (RC)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 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)
<i>Hex Cap Screw</i>	<i>Nova Machine</i>	<i>H # CR154960</i>	<i>N/A</i>	<i>UTC 2652391</i>	<i>2002</i>	<i>Replacement</i>	<i>No</i>

7. Description of Work Snubber IRC01BA-B Reinstallation
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F

VT3 Performed

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

Associated CofC and CMTRs 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 G. A. Dancell Date 4/26, 20 03
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 ASBCT of CA have inspected the components described in this Owner's Report during the period 3-27-03 to 4-26-03, 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 IL 1085
National Board, State, Province, and Endorsements

Date 4-26, 2003

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 Generation Co., LLC Date 04-26-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00410882 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Reactor Coolant (RC)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 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)
<i>Hex Cap Screw</i>	<i>Nova Machine</i>	<i>H # CR154960</i>	<i>N/A</i>	<i>UTC 2652391</i>	<i>2002</i>	<i>Replacement</i>	<i>No</i>

7. Description of Work Snubber IRC01BA-B Reinstallation
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F

VT3 Performed

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

Associated CoFC AND CMTRs 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 G. A. Danzell Date 4/26, 20 03
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 HSBC of CA have inspected the components described in this Owner's Report during the period 2-27-03 to 4-26-03, 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. M. M. M.
Inspector's Signature

Commissions IL-1085
National Board, State, Province, and Endorsements

Date 4-26, 2003

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 Generation Co., LLC Date 04-25-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00567092 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Residual Heat Removal (RH)
- 5 (a) Applicable Construction Code Section III 1974 Edition, S' 74 Addenda, (*) Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class x
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)
<u>Snubber</u>	<u>ITT Grinnell</u>	<u>16355</u> <u>N/A</u>	<u>N/A</u>	<u>UTC 2670495</u>		<u>Replacement</u>	<u>No</u>

7. Description of Work Replace Snubber IRH02208S
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F

VT3 Performed

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.

(*)
Code Cases Applicable: 1644 Rev. 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734

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

ITT Grinnell LTR 4/12/78 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 _____ Non Applicable

Certificate of Authorization No. _____ Non Applicable

Signed G. A. Danell Date 4/26, 2003
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 ASTBS of CT have inspected the components described in this Owner's Report during the period 4-20-03 to 4-24-03, 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 11085

National Board, State, Province, and Endorsements

Date 4-26-, 2003

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 Generation Co., LLC Date 04-25-03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00369594 - 01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System Reactor Coolant Pressurizer (RY)
- 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 Replacements 1989
(c) Section XI code Cases used, N/A Code Class 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)
<i>Relief Valve</i>	<i>Crosby Valve</i>	<i>N56964-00-0053</i>	<i>N/A</i>	<i>UTC 2061838</i>	<i>1976</i>	<i>Replacement</i>	<i>Yes</i>

7. Description of Work Install Relief Valve 1RY8010A
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 2239 psi Test Temp. 538 °F

VT2 Performed

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

Associated Code Documents 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 G. A. Donnell Date 5/2, 20 03
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 ASTEC of CA have inspected the components described in this Owner's Report during the period 2-24-03 to 5-2-03, 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 IL 1025
National Board, State, Province, and Endorsements

Date 5-2, 20 03

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 Generation Co., LLC Date 04-25-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00369593 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System Reactor Coolant Pressurizer (RY)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 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)
<u>Relief Valve</u>	<u>Crosby Valve</u>	<u>N56964-00-0091</u>	<u>N/A</u>	<u>UTC 2061839</u>	<u>1998</u>	<u>Replacement</u>	<u>Yes</u>

7. Description of Work Install Relief Valve 1RY8010B
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2239 psi Test Temp. 538 °F

VT 2 Performed

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

Associated Code Documentation 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 G. A. Donnell Date 5/4, 20 03
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 ASTG of CA have inspected the components described in this Owner's Report during the period 2-24-03 to 5-2-03, 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 Illinois
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-2, 20 03

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 Generation Co., LLC Date 04-25-03
 Name
 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
 35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00369592 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System Reactor Coolant Pressurizer (RY)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 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)
<u>Relief Valve</u>	<u>Crosby Valve</u>	<u>N56964-00-0032</u>	<u>N/A</u>	<u>UTC 2059074</u>	<u>1998</u>	<u>Replacement</u>	<u>Yes</u>

7. Description of Work Install Relief Valve 1RY8010C
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2239 psi Test Temp. 538 °F

VT 2 Performed

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

Associated Code Data Reports 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 G. A. Dancello Date 5/14/2, 20 03
Owner or Owner's Designee, Title GD

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 ASBC of CT have inspected the components described in this Owner's Report during the period 2-24-03 to 5-2-03, 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 IL 1025
National Board, State, Province, and Endorsements

Date 5-2-, 2003

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 Generation Co., LLC Date 04-24-03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00364381 - 01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System Chemical & Volume Control (CV)
- 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 Replacements 1989
(c) Section XI code Cases used, N/A Code Class 2
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)
<i>Rod, 5/8" - 11</i>	<i>Nova Machine</i>	<i>99694</i>	<i>N/A</i>	<i>UTC 2059309</i>		<i>Replacement</i>	<i>No</i>
<i>Nut, 5/8" - 11</i>	<i>Nova Machine</i>	<i>H # B87035</i>	<i>N/A</i>	<i>UTC 2623908</i>		<i>Replacement</i>	<i>No</i>

7. Description of Work Replaced Flange Bolting on Valve 1CV8123

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

No VT 2 Required - Bolting Replaced

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

Applicable CoFC and CMTRs 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 _____ *Non Applicable* _____

Certificate of Authorization No. _____ *Non Applicable* _____

Signed G. J. Dancell Date 4/26, 20 03
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 HSNCT

of CS have inspected the components described in this Owner's Report during the period 3-10-03 to 4-26-03, 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.

L. H. Hume Commissions D-1035
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-26-, 20 03

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 Generation Co., LLC Date 04-27-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00454218 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Chemical & Volume Control (CV)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<u>Check Valve</u>	<u>Crosby Valve</u>	<u>N56897-00-0009</u>	<u>N/A</u>	<u>UTC 2603989</u>	<u>1977</u>	<u>Replacement</u>	<u>Yes</u>

7. Description of Work Replace Relief Valve 1CV8120
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 12 psi Test Temp. 71 °F

VT 2 Performed

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

Associated Code Data Reports 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 G. J. Donnell Date 4/28, 20 03
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 HSBC of CT have inspected the components described in this Owner's Report during the period 2-25-03 to 4-28-03, 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 IL 1085
National Board, State, Province, and Endorsements

Date 4-28-, 2003

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 Generation Co., LLC Date 04-25-03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00567229 - 01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System Chemical & Volume Control (CV)
- 5 (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, (*) Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, N/A Code Class 2
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)
		<u>19586</u>					
<u>Snubber</u>	<u>ITT Grinnell</u>	<u>N/A</u> <u>GA</u>	<u>N/A</u>	<u>UTC 2035420</u>		<u>Replacement</u>	<u>No</u>

7. Description of Work Replace Snubber ICV41026S
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure psi Test Temp. °F
VT3 Performed

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.

(*)
Code Cases Applicable: 1644 Rev. 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734

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

ITT Grinnell LTR 4/17/78 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 Non Applicable

Certificate of Authorization No. Non Applicable

Signed G. J. Jance Date 4/26, 20 03
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 ASPECT of CT have inspected the components described in this Owner's Report during the period 4-23-03 to 4-26-03, 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. Jance
Inspector's Signature

Commissions Illinois
National Board, State, Province, and Endorsements

Date 4-26, 20 03

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 Generation Co., LLC Date 6/3/03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 00
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00564764-01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System CV, SPARE CV PUMP OUTBOARD MECHANICAL SEAL
- 5 (a) Applicable Construction Code Section III 191971 Edition, W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, N/A Code Class 2
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)
THRUST HOUSING	PACIFIC PUMP	69430-126-AA	N/A	CID #15168	1977	REPAIRED	YES
THRUST PLATE	PACIFIC PUMP	67953-151-AD	N/A	CID #15168	1977	REPAIRED	YES

7. Description of Work REBUILT MECHANICAL SEAL FOR STOCK

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

VT 2 Not Required PER this WORK ORDER - Mech Seal Returned to Stores. G6

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

Pump NPV-1 form 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 G. A. Dancell Date 6/4, 2003
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 HSB of CA have inspected the components described in this Owner's Report during the period 4-20-03 to 6-4-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-4, 2003

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 Generation Co., LLC Date 6/3/03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 00
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00564764-01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System CV, SPARE CV PUMP INBOARD MECHANICAL SEAL
- 5 (a) Applicable Construction Code Section III 191971 Edition, W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, N/A Code Class 2
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)
RADIAL HOUSING	PACIFIC PUMP	73808-199-AC	N/A	CID #16687	1977	REPAIRED	YES
RADIAL PLATE	PACIFIC PUMP	67953-105-AA	N/A	CID #16687	1977	REPAIRED	YES

7. Description of Work REBUILT MECHANICAL SEAL FOR STOCK

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

VT2 not Required - Seal Returned to Stores 6-4-03

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

Pump NPV-1 form 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 G. A. Daniel Date 6/4, 2003
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 HST CT of CT have inspected the components described in this Owner's Report during the period 4-20-03 to 6-4-03, 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. H. H. Commissions IL #1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-4-, 2003

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 Generation Co., LLC Date 04-27-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00457659 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System Chemical & Volume Control (CV)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Class Code 2
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)
<i>Relief Valve</i>	<i>Crosby Valve</i>	<i>N56900-00-0076</i>	<i>N/A</i>	<i>UTC 2658875</i>	<i>1996</i>	<i>Replacement</i>	<i>Yes</i>

7. Description of Work Replace Valve 1CV8121
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 150 psi Test Temp. Amb °F

VT2 Performed

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

Associated NV-1 form 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 G. A. Daniell Date 5/2, 20 03
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 AST

of CT have inspected the components described in this Owner's Report during the period 3-28-03 to 5-2-03, 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. L. [Signature]
Inspector's Signature

Commissions DA 1085
National Board, State, Province, and Endorsements

Date 5-2-, 20 03

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 Generation Co., LLC Date 4/29/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of
 Address
2. Plant Braidwood Station Unit 1
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 990160330-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System CV - CHEM & VOLUME CONTROL
- 5 (a) Applicable Construction Code Section III 1971 Edition, 4/12 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, NONE Code CLASS 2
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)
SEAL HOUSING RADIAL	Pacific Pumps	69420-125-AB	NOT APPLICABLE	UTC# 2671611	1977	REPLACEMENT	YES
SEAL PLATE RADIAL	Pacific Pumps	67952-106-AB	NOT APPLICABLE	UTC# 2671611	1977	REPLACEMENT	YES
SEAL HOUSING THRUST	Pacific Pumps	69420-127-AB	NOT APPLICABLE	UTC# 2671612	1977	REPLACEMENT	YES
SEAL PLATE THRUST	Pacific Pumps	67952-148-AB	NOT APPLICABLE	UTC# 2671612	1977	REPLACEMENT	YES

7. Description of Work REPLACED MECHANICAL SEALS
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2560/47 psi Test Temp. 83 °F
VT2 Performed

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

Associated Code Data Reports 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 GAC Samell Date 4/30, 20 03
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 HSBCT of CT have inspected the components described in this Owner's Report during the period 10-18-02 to 4-30-03, 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 IIA 1095
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-30-, 20 03

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 Generation Co., LLC Date 04-27-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 99242310 - 13
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System Chemical & Volume Control (CV)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<u>AWS E316</u>	<u>Weldstar Co.</u>	<u>H # 2M4C-4A</u>	<u>N/A</u>	<u>UTC 2669342</u>	<u>2003</u>	<u>Repair</u>	<u>No</u>

7. Description of Work Seal Weld Body to Bonnet, Valve 1CV8348
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2235 psi Test Temp. 559 °F

VT 2 Performed

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

Associated Code Documentation 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 G. A. Donnell Date 5/2, 20 03
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 HSNG of CT have inspected the components described in this Owner's Report during the period 4-24-03 to 5-5-03, 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.

L. H. H.
Inspector's Signature

Commissions IL 1085
National Board, State, Province, and Endorsements

Date 5-5, 2003

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 Generation Co., LLC Date 04-25-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 99242296 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Chemical & Volume Control (CV)
- 5 (a) Applicable Construction Code Section III 1986 Edition, 88 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A CLASS 2
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)
<u>Weld Rod</u>	<u>Weldstar</u>	<u>Lot # CT5839</u>	<u>N/A</u>	<u>UTC 2045663</u>	<u>2001</u>	<u>RePAIR</u>	<u>No</u>

7. Description of Work Seal Weld Valve 1CV8368A Bonnet to Body
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 2575 psi Test Temp. 170 °F

VT 2 Performed

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

Associated CofC and CMTR 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 _____ Non Applicable _____

Certificate of Authorization No. _____ Non Applicable _____

Signed G. L. Danzell Date 5/2, 20 03
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 HSTC of CA have inspected the components described in this Owner's Report during the period 3-6-03 to 5-2-03, 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 IL 1025
National Board, State, Province, and Endorsements

Date 5-2-, 20 03

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 Generation Co., LLC Date 04-26-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 99160349 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System Containment Spray (CS)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<u>Check Valve</u>	<u>TRW Mission Mfg.</u>	<u>P-7707</u>	<u>N/A</u>	<u>UTC 2545467</u>	<u>1982</u>	<u>Replacement</u>	<u>Yes</u>

7. Description of Work Replace Check Valve ICS008B
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 *Other ☒ Pressure _____ psi Test Temp. _____ °F

***OPEN Flow Path Test Conducted by Operations**

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

Associated Code Data Reports Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed G. J. Daniels Date 5/2, 20 03
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 HSBC of CA have inspected the components described in this Owner's Report during the period 3-10- to 5-2-03, 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. L. [Signature] Commissions IL 1025
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-2, 20 03

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 Generation Co., LLC Date 12/17/02
 Name
 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 2
 Address
2. Plant Braidwood Station Unit 1
 Name
 35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00415194-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System CS / CONTAINMENT SPRAY
- 5 (a) Applicable Construction Code Section III CL.2 1974 Edition, S75 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989/NO ADDENDA
 (c) Section XI code Cases used, NONE *TW 12-20-02*
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)
<i>CHECK VALVE</i> VALVE	<i>12-20-02</i> OEM	NOT APPLICABLE	NOT APPLICABLE	1CS003B M-46-1A	N/A	REPLACED	YES
<i>CHECK VALVE</i> VALVE	ATTWOOD & MORRILL	1-11986-01 <i>L401 Body</i>	NOT APPLICABLE	UTC# 2059773	00	REPLACEMENT	YES
		<i>L408 + L409</i>					
		<i>DISC</i>					

7. Description of Work REPLACED CHECK VALVE

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ *VT-2 PERFORMED (REF. CODE CASE N4161)*
 Other ☒ Pressure 288 psi Test Temp. 57.6 °F *N-4162 12/20/02*

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

MANUFACTURER'S NPV-1 REPORT FOR REPLACEMENT VALVE
ATTACHED. REF. WORK ORDER 00415914-01, VALVE EPN
105003B. REF BRAIDWOOD STA. EVAL 00002312.

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 [Signature] Date 12/20, 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 ILLINOIS and employed by HSB GLOBAL of CT. have inspected the components described in this Owner's Report during the period 11-8-02 to 1-13-03, 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 IL # 1085
National Board, State, Province, and Endorsements

Date 1-13-, 2003

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 Generation Co., LLC Date 04-25-03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00567230 - 01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System Feedwater (FW)
- 5 (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, (*) Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, N/A Code Class 2
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)
<i>Snubber</i>	<i>IIT Grinnell</i>	<i>12225</i> <i>N/A</i>	<i>N/A</i>	<i>UTC 2035359</i>	<i>1918</i>	<i>Replacement</i>	<i>No</i>

7. Description of Work Replace Snubber 1FW12025S
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
Other ☒ Pressure _____ psi Test Temp. _____ °F

VT 3/4 Completed

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.

(*)

Code Cases Applicable: 1644 Rev. 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734

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

ITT GRINNELL Letter 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 G. L. Daniell Date 4/25, 20 03
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 HSBCT of CT have inspected the components described in this Owner's Report during the period 4-20-03 to 4-26-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL 21085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-26, 20 03

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 Generation Co., LLC Date 4/27/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00370466-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System 1MS015B
- 5 (a) Applicable Construction Code Section III 1974 Edition, no Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code CLASS 2
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	OEM	N/A	N/A	1MS015BB	N/A	REPLACED	YES
DISC	DRESSER	ADE46	N/A	UTC #2663777	2001	REPLACEMENT	YES

7. Description of Work REMOVED VALVE, SHIPPED OFF SITE FOR REPAIRS / TESTING
REPLACE DISC

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

VT2 not Required - Disc is internal to the Valve

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

Associated Code Documents 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 G. A. Daniels Date 4/28, 20 03
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 H3B5 of CT have inspected the components described in this Owner's Report during the period 3-10-03 to 4-28-03, 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 DA1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-28, 2003

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 Generation Co., LLC Date 4/27/03
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00370467-01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System 1MS014C
- 5 (a) Applicable Construction Code Section III 1947 Edition, NO Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, N/A *Code Class 2*
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)
NUT	OEM	N/A	N/A	1MS014C	N/A	REPLACED	NO
NUT	NOVA	TC #TBX	N/A	UTC #2661050	2003	REPLACEMENT	NO
STUD	OEM	N/A	N/A	1MS014C	N/A	REPLACED	NO
STUD	NOVA	TC #E653	N/A	UTC #2640652	2002	REPLACEMENT	NO
DISC	OEM	N/A	N/A	1MS014C	N/A	REPLACED	YES
DISC	DRESSER	ADE49	N/A	UTC#2663782	2001	REPLACEMENT	YES

7. Description of Work REMOVED VALVE, SHIPPED OFF SITE FOR REPAIRS, REPLACED FLANGE BOLTING AND VALVE DISC.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

(Leak Check) Other X Pressure _____ psi Test Temp. _____ °F

VT2 is not Required - Code PARTS Replaced were either Bolting OR internal to the Valve.

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

Associated Code Data Reports 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 G. G. Samuell Date 4/28, 20 03
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 HSBC of CA have inspected the components described in this Owner's Report during the period 3-14-03 to 4-28-03, 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.

L. Hume Commissions Ill 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-28-, 20 03

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 Generation Co., LLC Date 4/27/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00362907-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System 1MS015C *GA 4 1/2 1/3*
- 5 (a) Applicable Construction Code Section III 191974 Edition, no Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A *Code CLASS 2*
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	OEM	N/A	N/A	1MS015C	N/A	REPLACED	YES
DISC	DRESSER	ADE53	N/A	UTC #2663787	2001	REPLACEMENT	YES

7. Description of Work REMOVED VALVE, SHIPPED OFF SITE FOR REPAIRS / TESTING
REPLACE DISC

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 (Leak Check) Other ☒ Pressure _____ psi Test Temp. _____ °F

VT2 is not Required - Code Parts Replaced were internal to the valve

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

Associated Code Documentation 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 G. Daniel Date 4/28, 20 03
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 USBC of CT have inspected the components described in this Owner's Report during the period 3-10-03 to 4-28-03, 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. H. H. Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-28, 20 03

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 Generation Co., LLC Date 4/27/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00455152-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System 1MS017B *7B*
- 5 (a) Applicable Construction Code Section III 1974 Edition, Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A *Code CLASS 2*
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	OEM	N/A	N/A	1MS017B <i>7B</i>	N/A	REPLACED	YES
DISC	DRESSER	ADE83	N/A	UTC #2663783	2001	REPLACEMENT	YES

7. Description of Work REMOVED VALVE, SHIPPED OFF SITE FOR REPAIRS / TESTING
REPLACE DISC

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

VTZ NOT Required - Code PARTS Replaced are internal to the valve

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

Associated Code Data Reports 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 G. L. Dancello Date 4/28, 20 03
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 ASBCT of CT have inspected the components described in this Owner's Report during the period 2-14-03 to 4-28-03, 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. H. H. Commissions II-1025
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-28-, 2003

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 Generation Co., LLC Date 3/24/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of
 Address
2. Plant Braidwood Station Unit 1
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00547889
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System MS-MANSTREAM
- 5 (a) Applicable Construction Code Section III 19 74 Edition, 574 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, NONE CLASS 2
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)
PIVOT PIN	OEM	NOT APPLICABLE	NOT APPLICABLE	1MS010835	N/A	REPLACED	NO
PIVOT PIN	GRINELL	NOT APPLICABLE	NOT APPLICABLE	QRE # A94-00776	3/94	REPLACEMENT	NO

7. Description of Work REPLACED PIVOT PIN ON PIPE SUPPORT 1MS010835

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

Other ☒ Pressure psi Test Temp. °F
VT3 performed

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 ~~Replaced~~ conform to the
rules of the ASME Code, Section XI. *Not Applicable*

Type Code Symbol Stamp *Not Applicable*

Certificate of Authorization No. *Not Applicable*

Signed *G. J. Smith* Date *3/24, 19 2003*
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 HSBCT

of CT, have inspected the components described in this Owner's Report during the period 2-26-03 to 4-10-03 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 Illinois
National Board, State, Province, and Endorsements

Date 4-10, 19 2003

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 Generation Co., LLC Date 04-27-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00537363 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Main Steam (MS)
- 5 (a) Applicable Construction Code Section III 1974 Edition, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<i>Disc. Valve</i>	<i>NWS Tech. LLC</i>	<i>BR09645</i>	<i>632</i>	<i>ADE65</i>	<i>2003</i>	<i>Replacement</i>	<i>Yes</i>
<i>Spindle</i>	<i>NWS Tech. LLC</i>	<i>BR09645</i>	<i>632</i>	<i>800508</i>	<i>2003</i>	<i>Replacement</i>	<i>No</i>

7. Description of Work Replace Valve IMS016B Internals
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☐ Pressure _____ psi Test Temp. _____ °F

VT2 not Required - Code Parts Replaced ARE internal to the Valve

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

Associated Code Data Reports 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 G4 Daniell Date 4/27, 20 03
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 USPCT of CA have inspected the components described in this Owner's Report during the period 3-7-03 to 4-27-03, 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.

L. Hume Commissions DA 1035
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-27, 20 03

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 Generation Co., LLC Date 04-27-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 99140280 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 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, N/A Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<i>Disc, Valve</i>	<i>NWS Tech. LLC</i>	<i>BR09633</i>	<i>632</i>	<i>ADE48</i>	<i>2003</i>	<i>Replacement</i>	<i>Yes</i>

7. Description of Work Valve IMS013D Internals Replacement
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Leak Check at P.O.P. Other ☐ Pressure _____ psi Test Temp. _____ °F

VT2 not Required-Code PART Replaced (Disc) IS INTERNAL to the VALVE. GDA 4/27/03

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

Associated Code Data Report for the Disc is 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 G. J. Daniels Date 4/27, 20 03
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 USBC of CT have inspected the components described in this Owner's Report during the period 3-11-03 to 4-27-03, 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 Illinois
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-27, 20 03

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 Generation Co., LLC Date 04-25-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00567231 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System Reactor Coolant (RC)
- 5 (a) Applicable Construction Code Section III 1974 Edition, S'74 Addenda, (*) Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<i>Snubber</i>	<i>ITT Grinnell</i>	<i>12925</i> <i>N/A</i>	<i>N/A</i>	<i>UTC 2670535</i>	<i>1978</i>	<i>Replacement</i>	<i>No</i>

7. Description of Work Replace Snubber IRC17058S
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F
VT3 Performed

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.

(*)
Code Cases Applicable: 1644 Rev. 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734

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

ITT Grinnell LTR 4/17/03 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 G. Daniel Date 4/26, 20 03
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 HSBC

of CT have inspected the components described in this Owner's Report during the period 4-20-03 to 4-26-03, 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 Ill 1085
National Board, State, Province, and Endorsements

Date 4-26, 20 03

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 Generation Co., LLC Date 3/27/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 11
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 489239-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System RH Residual Heat Removal (Unit 01)
- 5 (a) Applicable Construction Code Section III 1971 Edition, S72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A CLASS 2
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)
Stuffing Box Extension	Weldstar	N/A	N/A	Lot No. CT7404	2000	Repaired	No
Stuffing Box Extension	Ingersoll Rand	S/N 61989	N/A	UTC 2669015	1977	Repaired	No

7. Description of Work Perform weld repair and machining on spare RHR pump stuffing box for Residual Heat Removal Pump. _____

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

* NO ASME RELATED PRESSURE TESTING PERFORMED OR REQUIRED. THIS COMPONENT PUMP STUFFING BOX IS A SPARE THAT IS BEING INSTALLED IN PUMP IRHO1PA UNDER WORK ORDER 389396. ASME RELATED PRESSURE TESTING WILL BE PERFORMED UNDER WORK ORDER 389396.
 NOTE: COMPONENT WAS PREVIOUSLY INSTALLED IN PUMP IRHO1PB.
 Jmfah 4-2-03

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

COFC FOR WELD ROD ATTACHED. DESCRIPTION AND DIMENSIONS PERTAINING TO WORK PERFORMED DURING WELD REPAIR AND MACHINING EVOLUTIONS ARE INCLUDED AS PAGES 3 THROUGH 7 OF THIS DOCUMENT.

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 Jim Johnson Date 04/02, 20 03
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 HSBCT of CT. have inspected the components described in this Owner's Report during the period 1-3-03 to 4-3-03, 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.

L. Menden
Inspector's Signature

Commissions II # 1085
National Board, State, Province, and Endorsements

Date 4-3-, 20 03

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 Generation Co., LLC Date 04-26-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00457420 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System Residual Heat Removal (RH)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<i>Valve, Bonnet</i>	<i>Dubose Energy</i>	<i>16162</i>	<i>N/A</i>	<i>UTC2670444</i>	<i>2003</i>	<i>Replacement</i>	<i>Yes</i>
<i>Valve, Disc</i>	<i>Carpenter</i>	<i>724770</i>	<i>N/A</i>	<i>UTC2670444</i>	<i>2003</i>	<i>Replacement</i>	<i>Yes</i>
<i>Valve, Yoke</i>	<i>Patriot</i>	<i>H4460</i>	<i>N/A</i>	<i>UTC2670444</i>	<i>2003</i>	<i>Replacement</i>	<i>Yes</i>

7. Description of Work Valve 1RH8734A Internal Replacement
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 195 psi Test Temp. AMB °F
VT2 Performed

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

Associated Code Documents 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 _____ *Non Applicable* _____

Certificate of Authorization No. _____ *Non Applicable* _____

Signed G4 Daniel Date 4/28, 20 03
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 HSB of CT have inspected the components described in this Owner's Report during the period 3-10-03 to 4-28-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL 21085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-28-, 20 03

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 Generation Co., LLC Date 3/27/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 11
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 489239-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System RH Residual Heat Removal (Unit 01)
- 5 (a) Applicable Construction Code Section III 1971 Edition, S72 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (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)
Stuffing Box Extension	Weldstar	N/A	N/A	Lot No. CT7404	2000	Repaired	No
Stuffing Box Extension	Ingersoll Rand	S/N 61989	N/A	UTC 2669015	1977	Repaired	No

7. Description of Work Perform weld repair and machining on spare RHR pump stuffing box for Residual Heat Removal Pump. _____

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

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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.

** NO ASME RELATED PRESSURE TESTING PERFORMED OR REQUIRED. THIS COMPONENT PUMP STUFFING BOX IS A SPARE THAT IS BEING INSTALLED IN PUMP 2RHO2PA UNDER WORK ORDER 389396. ASME RELATED PRESSURE TESTING WILL BE PERFORMED UNDER WORK ORDER 389396. NOTE: COMPONENT WAS PREVIOUSLY INSTALLED IN PUMP 2RHO2PB.*
Amfah 4-2-03

10F 11

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

COFC FOR WELD ROD ATTACHED. DESCRIPTION AND DIMENSIONS PERTAINING TO WORK PERFORMED DURING WELD REPAIR AND MACHINING EVOLUTIONS ARE INCLUDED AS PAGES 3 THROUGH 7 OF THIS DOCUMENT.

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 L. J. Johnson Date 04/02, 2003
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 HSBCT

of CT. have inspected the components described in this Owner's Report during the period 1-3-03 to 4-3-03, 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.

L. J. Johnson Commissions IL # 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-3-, 2003

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 Generation Co., LLC Date 1/30/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00389395-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System 1RH01PB
- 5 (a) Applicable Construction Code Section III 1971 Edition, S72' Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
STUFFING BOX EXTENSION	OEM	N/A	N/A	1RH01PB	N/A	REPLACED	YES
STUFFING BOX EXTENSION	INGERSOLL-RAND	91132	N/A	UTC #2659227	1978	REPLACEMENT	YES
GLAND	OEM	N/A	N/A	1RH01PB	N/A	REPLACED	YES
GLAND	FLOWERVE	RLSA03933	N/A	UTC #2658067	2002	REPLACEMENT	YES
CASING	OEM	N/A	N/A	1RH01PB	N/A	REPAIRED SEE ATTACHED SKETCH	YES

7. Description of Work OVERHAULED PUMP, REPLACING THE STUFFINGBOX EXTENSION AND THE MECHANICAL SEAL. ALSO REMOVED APPROX. .010 MATERIAL FROM CASING FOR PROPER FIT OF SBE TO CASING.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☒
 Other ☐ Pressure 228 psi Test Temp. Amb. °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

Applicable Manufacturer's Data Reports to be attached

EVAL #20957

NPV1 for Stuffing Box

N-2 for Seal, Assembly, Gland Ring and Spacer Sleeve

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 G. H. Dancell
Owner or Owner's Designee, Title

Date 2/11, 20 03

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 ASBCT of CT have inspected the components described in this Owner's Report during the period 12-11-02 to 2-25-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions Illinois

National Board, State, Province, and Endorsements

Date 2-25-, 20 03

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 Generation Co., LLC Date 4/3/03
 Name
 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
 35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00389396-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System 1RH01PA, 1A RESIDUAL HEAT REMOVAL PUMP
- 5 (a) Applicable Construction Code Section III 1971 Edition, s72' Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
S.B.E	OEM	N/A	N/A	1RH01PA	N/A	REPLACED	YES
S.B.E.	INGERSOLL	61989	N/A	UTC #2669015	1977	REPLACEMENT	YES
GLAND	OEM	N/A	N/A	1RH01PA	N/A	REPLACED	YES
GLAND	FLOWERVE	RLSA03983	N/A	UTC #2658068	2002	REPLACEMENT	YES

7. Description of Work DISASSEMBLED AND INSPECTED PUMP, REPLACED STUFFING BOX EXTENSION AND MECHANICAL SEAL WITH GLAND.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
VT2 Performed Other ☐ Pressure 50 psi Test Temp. 104 °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

NPV1 and NS2 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 G.A. Daniell Date 4/5, 20 03
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&BCT of CT. have inspected the components described in this Owner's Report during the period 10-31-02 to 4-15-03, 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 IBR 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-15-, 20 03

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 Generation Co., LLC Date 04-24-03
Name

300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address

2. Plant Braidwood Station Unit 01
Name

35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00457419 -01
Address Repair Organization P.O., Job No., etc

3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
Address

4. Identification of System RESIDUAL HEAT REMOVAL (RH)

- 5 (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, N/A Code Class 2
(d) 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)
<u>Valve, Bonnet</u>	<u>Dubose Energy</u>	<u>16162</u>	<u>N/A</u>	<u>UTC # 2670445</u>	<u>2003</u>	<u>Replacement</u>	<u>Yes</u>
<u>Valve, Disc</u>	<u>Carpetter</u>	<u>724770</u>	<u>N/A</u>	<u>UTC # 2670445</u>	<u>2003</u>	<u>Replacement</u>	<u>Yes</u>
<u>Valve, Yoke</u>	<u>Patriot</u>	<u>H4460</u>	<u>N/A</u>	<u>UTC # 2670445</u>	<u>2003</u>	<u>Replacement</u>	<u>Yes</u>

7. Description of Work Replace Valve 1RH8734B Internals

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
Other ☐ Pressure 180 psi Test Temp. amb °F

VT-2 Performed

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

Associated Code Data Reports 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 _____ *Non Applicable* _____

Certificate of Authorization No. _____ *Non Applicable* _____

Signed G. A. Danell Date 4/26, 20 03
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 USBC of CT have inspected the components described in this Owner's Report during the period 3-10-03 to 4-26-03, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-26, 20 03

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 Generation Co., LLC Date 3/17/03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00458242-01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
 Address
4. Identification of System RY-PRESSURIZER
- 5 (a) Applicable Construction Code Section III 1974 Edition, W/15 Addenda, N/A 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)
DISC	O.I.E.M	NOT APPLICABLE	NOT APPLICABLE	SN N22831	N/A	REPLACED	NO
DISC	ENERGY STEEL & SUPPLY CO.	N97586-28-0014	NOT APPLICABLE	UTC # 2653093	2002	REPLACEMENT	NO

7. Description of Work INSTALLED NEW DOVE TAIL DISC IN SPARE VALVE. SN# N22831

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

VT2 not Required. Disc is internal to the valve. GAD 4/23/03

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 Not Applicable

Certificate of Authorization No. Not Applicable

Signed _____ Date 4/23, 18 2003
Owner or Owner's Designee, Title

G. Daniel

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 HSBCT

of CT have inspected the components described in this Owner's Report during the period 10-1-02 to 4-2-03 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 IL 1085
National Board, State, Province, and Endorsements

Date 4-23, 18 2003

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 Generation Co., LLC Date 04-24-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00457814 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System Safety Injection (SI)
- 5 (a) Applicable Construction Code Section III 1971 Edition, W 72 Addenda, 1649 Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
 (c) Section XI code Cases used, N/A Code Class 2
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)
<i>Valve</i>	<i>Anderson</i>	<i>N56902-00-0030</i>	<i>N/A</i>	<i>UTC 2651681</i>	<i>2002</i>	<i>Replacement</i>	<i>Yes</i>
	<i>Greenwood</i>						

7. Description of Work Replaced Relief Valve 1SI8856A
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
 Other ☐ Pressure 195 psi Test Temp. Amp °F

VT2 Performed

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

Associated Code Documentation 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 _____ Non Applicable

Certificate of Authorization No. _____ Non Applicable

Signed G. J. Donnell Date 4/26, 20 03
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 USBC of CT have inspected the components described in this Owner's Report during the period 3-10-03 to 4-24-03, 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 Da 1025
National Board, State, Province, and Endorsements

Date 4-26-, 20 03

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 Generation Co., LLC Date 04-26-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 00483545 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System CNTM Temporary Penetration (PC)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class MC
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)
<i>Rod, Threaded</i>	<i>Nova Machine</i>	<i>H # 8992181</i>	<i>N/A</i>	<i>UTC 2670523</i>	<i>1998</i>	<i>Replacement</i>	<i>No</i>
<i>Rod, Threaded</i>	<i>Nova Machine</i>	<i>H # 13853</i>	<i>N/A</i>	<i>UTC 2637905</i>		<i>Replacement</i>	<i>No</i>
<i>Nut, HVH</i>	<i>Nova Machine</i>	<i>H # 10280</i>	<i>N/A</i>	<i>UTC 2670526</i>		<i>Replacement</i>	<i>No</i>

7. Description of Work Install / Remove Temporary Penetration Cover
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure N/A psi Test Temp. N/A °F
VT1/VT3 Performed

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

Associated Code Data Reports 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 _____ Non Applicable _____

Certificate of Authorization No. _____ Non Applicable _____

Signed G. J. Dancell Date 4/30, 20 03
Owner of 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 HSBET of CT have inspected the components described in this Owner's Report during the period 4-4-03 to 5-1-03, 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 IL 1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-1-, 20 03

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 Generation Co., LLC Date 04-26-03
 Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
 Address
2. Plant Braidwood Station Unit 01
 Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 97058148 - 01
 Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System CNTM Temporary Penetration 1PC064 (PC)
- 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 Replacements 1989
 (c) Section XI code Cases used, N/A Code Class MC
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)
<i>Nut, HVH</i>	<i>Nova Machine</i>	<i>H # 10280</i>	<i>N/A</i>	<i>UTC 2670526</i>		<i>Replacement</i>	<i>No</i>
<i>Rod, Threaded</i>	<i>Nova Machine</i>	<i>H # 40759</i>	<i>N/A</i>	<i>UTC 2669623</i>		<i>Replacement</i>	<i>No</i>

7. Description of Work Install / Remove Temporary Penetration Cover
8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 Other ☒ Pressure _____ psi Test Temp. _____ °F

VT1/VT3 Performed

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

Associated Code Data Reports 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 _____ Non Applicable _____

Certificate of Authorization No. _____ Non Applicable _____

Signed G. A. Danell Date 4/30, 2003
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 ASBC of CA have inspected the components described in this Owner's Report during the period 3-10-03 to 5-1-03, 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 DA1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-1, 2003

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

1. Owner Exelon Generation Co., LLC Date _____
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Request No. 00344827 - 06
Address
3. Work Performed by Mechanical Maintenance Repair Organization, P.O. No., Job No., etc.
Name Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System (PC) Primary Containment
5. (a) Applicable Construction Code Section III /DIV.2 19 *Edition, * Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1992
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)
Grout, Non-Shrink Masterflow 928	Master Builder	Heat # L 1610217971V1	N/A	UTC # 0002620711	N/A	Replacement	No
Compound, Curing Masterkure 200W	Chemrex, Inc.	Heat # L G301	N/A	UTC # 0002625296	N/A	Replacement	No

7. Description of Work Repair Void In Concrete
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 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

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 G. J. Daniel Date 5/19/03, 1903
Inspector 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 HARTFORD of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 3-29-02 to 5-21-03, 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. Daniel Commissions DA 1025
Inspector's Signature National Board, State Province, and Endorsements

Date 5-20, 192003

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

1. Owner Exelon Generation Co., LLC Date _____
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of _____
Address
2. Plant Braidwood Station Unit 1
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Request No. 00344827-01
Address
3. Work Performed by Mechanical Maintenance Repair Organization, P.O. No., Job No., etc.
Name Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System PC - PRIMARY CONTAINMENT
5. (a) Applicable Construction Code Section III/Div 2 * Edition, * Addenda, N/A Code Case
* 1973 PROPOSED STANDARD CODE FOR CONCRETE REACTOR VESSELS AND CONTAINMENTS.
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989 - NO ADDENDA
1992.
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)
CONTAINMENT	GK NEWBERG	D.F.M.	NOT APPLICABLE	S&L SPEC L-2722	N/A	REPAIRED	NO
CONTAINMENT	MASTED BUILDERS	BATCH #	NOT APPLICABLE	UTC #	N/A	REPLACEMENT	NO

7. Description of Work REPAIRED DAMAGED CONCRETE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
 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

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 G. J. Danzell Date 5/19/03
Print 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 HERB of WATKINS, CT. have inspected the components described in this Owner's Report during the period 9-4-01 to 5-20-03, 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 IL 1085
Inspector's Signature National Board, State Province, and Endorsements

Date 5-20, 19 2003

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

1. Owner Exelon Generation Co., LLC Date 5/2/02
Name
300 Exelon Way, Kennett Square, PA 19348
Address
2. Plant Braidwood Station Sheet 1 of 1
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407
Address
3. Work Performed by Mechanical Maintenance Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407
Address
4. Identification of System (PC) Primary Containment Work Request No. 00344827 - 05
- Repair Organization, P.O. No., Job No., etc.
 Type Code Symbol Stamp Not Applicable
 Authorization No. Not Applicable
 Expiration Date Not Applicable

5. (a) Applicable Construction Code Section III /DIV.2 19* *Edition, * Addenda, N/A Code Case N/A
**1973 PROPOSED STANDARD FOR CONCRETE PIPING VESSELS AND CONTAINMENTS (AS ADDRESSED IN THE UFSAR)*
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989
1992/1992 TS 5-12-02
TS 5-12-02
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)
Grout, Non-Shrink Masterflow 928	Master Builder	Heat # L 1690426WO	N/A	UTC # 0002070366	N/A	Replacement	No
Grout, Non-Shrink Masterflow 928	Master Builder	Heat # L 1610217971V1	N/A	UTC # 0002622660	2001	REPAIR Replacement	No
Compound, Curing Masterkure 200W	Chemrex, Inc.	Heat # L G301	N/A	UTC # 0002625296	2001	REPAIR Replacement	No

7. Description of Work Repair Damage Concrete
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐

* VTC/VT-2 Other ☒ Pressure 2/0 psi Test Temp. 2/0 °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.

* AS FOUND / AS LEFT VT-2C EXAMS PERFORMED, IDENTIFICATION OF EXPOSED RING STEEL ADDRESSED ON VT-2C DOCUMENTATION

(12/82) This Form (e00030) may be obtained from the Order Dept., ASME, 345 E. 47th St. New York, N.Y. 10017

5-12-02

FORM NIS-2 (Back)

9. Remarks MANUFACTURER'S CERTIFICATE OF COMPLIANCE AND CERTIFIED
Applicable Manufacturer's Data Reports to be attached
MATERIAL TEST REPORTS FOR REPAIR WORKS ARE ATTACHED.
MATERIALS USED WERE VERIFIED TO BE PHYSICALLY, MECHANICALLY,
AND CHEMICALLY COMPATIBLE WITH EXISTING SURFACE/MATERIALS.
REF. CONTAINMENT CONCRETE REPAIR PERFORMED PER
WORK ORDER 344827 TASK 05.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed Timothy Johnson
Owner or Owner's Designee, Title

Date 5-12-02 #9
TS-12-02

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 HSBC
 of HARTFORD, CT. have inspected the components described in this
 Owner's Report during the period 3-5-02 to 5-20-03, 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.

Timothy Johnson
Inspector's Signature

Commissions Ill 1085
National Board, State Province, and Endorsements

Date 5-20, 2003

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 Generation Co., LLC Date 4/24/09
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Order No. 990066769-01
Address Repair Organization P.O., Job No., etc
3. Work Performed Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Authorization No. Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Expiration Date Not Applicable
Address
4. Identification of System PC - PRIMARY CONTAINMENT
- 5 (a) Applicable Construction Code Section III 19 71 Edition, S72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 1989
(c) Section XI code Cases used, None CLASS MC
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)
IPC104M SEAL ASSEMBLY	DEM	NOT APPLICABLE	NOT APPLICABLE	IPC104M	N/A	REPLACED	NO
IPC104M SEAL ASSEMBLY	TRENTAC	HEAT # Y2243-2A	NOT APPLICABLE	UTG # Z0576002	2000	REPLACEMENT	NO

7. Description of Work REPLACED EMERGENCY HATCH HANDWHEEL SHAFT SEALS

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

VT1/VT3 Performed

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

Associated Code Documents Attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ *Non Applicable* _____

Certificate of Authorization No. _____ *Non Applicable* _____

Signed G. A. Daniell Date 4/28, 20 05
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 HSBC of CA have inspected the components described in this Owner's Report during the period 11-1-99 to 4-28-03, 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. L. Hume Commissions DA 1025
Inspector's Signature National Board, State, Province, and Endorsements

Date 4-28, 20 03

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

1. Owner Exelon Generation Co., LLC Date 09/18/01
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 3
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Request No. 00323687-12
Address
3. Work Performed by NPSW VENTURE Repair Organization, P.O. No., Job No., etc.
Name Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System CV / CHEMICAL & VOLUME CONTROL Line ICV100A-B "
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 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)
3" ELBOW 90 DEG 304SS	TAYLOR FORGE	HEAT #LTTN-1	N/A	UTC #0002614636	1999	REPLACEMENT	NO
3"X 2" 304SS SOCKOLET	WFI	HEAT #1853ANA	N/A	UTC #0002615427	2001	REPLACEMENT	NO
3"X 2" REDUCER 304SS	WFI	HEAT #1721ANA	N/A	UTC #0002615431	2001	REPLACEMENT	NO
3"X 1-1/2" 304SS SOCKOLET	WFI	HEAT #844ZNA	N/A	UTC #0002615433	2001	REPLACEMENT	NO
1-1/2" FLANGE 300# 304SS	WFI	HEAT #1894ANE	N/A	UTC #0002615434	2001	REPLACEMENT	NO

7. Description of Work MODIFICATION / INSTALL LETDOWN BOOSTER PUMP DCP 9900675
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
VT2 Other ☐ Pressure 340 psi Test Temp. 151 °F
Performed

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.

Code CASE N416-1 involved 6/30/03

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner: Exelon Generation Co., LLC
300 Exelon Way
Kennett Square, PA 19348

Sheet 3 of 3
Date 09/18/01
Unit 01

2. Plant Braidwood Station
35100 S. Rt. 53 Suite 84
Braceville, IL 60407

Unit 01

W.O. 00323687-12

P.O. No., WR No., etc.

3. Work Performed by: NPSW VENTURE
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407
Address

Type Code Symbol Stamp N/A
Authorization No. N/A
Expiration Date N/A

4. Identification of System RH / RESIDUAL HEAT REMOVAL

5a. Applicable Construction Code ASME SEC III 19.86 Edition, S87 Addenda,
Code Cases N/A

5b Applicable Edition of Section XI utilized Edition 1989 Addenda 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)
3"X 3" BRANCH OUTLET 304SS	WFI	HEAT #1535ANA	N/A	UTC #0002615440	2001	REPLCMNT	NO
3" ELBOW 90 DEG 304SS	TAYLOR FORGE	HEAT #LUNB-1	N/A	UTC #0002617749	2001	REPLACMNT	NO
2" ELBOW 3000# 304SS	WFI	HEAT #401	N/A	UTC #2067505	1998	REPLACMNT	NO
3" ELBOW 90 DEG 304SS	TAYLOR FORGE	HEAT #LVSA-1	N/A	UTC #0002615831	2001	REPLACMNT	NO
2" FLANGE 600# 304SS	WFI	HEAT #467YNE	N/A	UTC #0002615994	2001	REPLACMNT	NO
3" PIPE SCH 40 304SS	ALTX	HEAT #070038	N/A	UTC #0002615495	2001	REPLACMNT	NO
2" GATE VALVE CF8M	FLOWERVE	SER #E356T-2-2	N/A	UTC #0002615858	2001	REPLACEMENT	YES
3" PIPE SCH 40 304SS	STERLING	HEAT #SF551	N/A	UTC #0002615495	1999	REPLACMNT	NO
2" PIPE SCH 40 304SS	ALTX	HEAT #070037	N/A	UTC #0002615494	2001	REPLACMNT	NO
1-1/2" PIPE SCH 40 304SS	SANDVIK	HEAT #8223J	N/A	UTC #0002615488	1999	REPLACMNT	NO
WELD ROD 1/8" ER308L	ARCOS	LOT #DT7030	N/A	RIN/QRI M97-05703	1997	REPLACMNT	NO
WELD ROD 1/8" ER308L	ARCOS	LOT #DT6834	N/A	RIN/QRI M96-11394 UTC #0002033349	1996	REPLACMNT	NO
WELD ROD 3/32" ER308L	ARCOS	LOT #CT7404	N/A	RIN #33004 UTC #0002056104	1999	REPLACMNT	NO
3" PIPE SCH 40 304SS	STERLING	HEAT #MR405	N/A	UTC #0002039543	1997	REPLACMNT	NO
WELD ROD 3/32" E309-16	ARCOS	LOT #7K2C-2A	N/A	RIN #M98-02228 UTC #0002044962	1997	REPLACMNT	NO
PLATE 1/2" SA-36	TRICO	HEAT #N00934	N/A	UTC #0002036514	1998	REPLACMNT	NO

ANNUAL REVIEW
10/10/01

GAD 10/10/01

FORM NIS-2 (Back)

9.

Remarks DCP 9900675 INSTALLED PER CONSTRUCTION CODE, SEC III 1974,S75.

Applicable Manufacturer's Data Reports to be attached

2" GATE VALVE SUPPLIED SEC III CL.2 1986,S87

PIPING/FITTINGS SUPPLIED SEC III CL.2 1974,S75

Referenced Code Case N4116-1 for Re-submittal in AIRIO 90day Report
GAD

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

GADaniell
Owner or Owner's Designee, Title

Date 10/10/01 JS

GADaniell 6/30/03

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 HSTB:1 Co. of HARTFORD, CT. have inspected the components described in this Owner's Report during the period 7-26-01 to 9-19-01, 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.

L. huan
Inspector's Signature

Commissions IL 1025

National Board, State Province, and Endorsements

Date 11-19 2001

L huan 6/30/03

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

1. Owner Exelon Generation Co., LLC Date 10/22/01
Name
300 Exelon Way, Kennett Square, PA 19348
Address Sheet 1 of 2
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407
Address Work Request No. 98123889-09
3. Work Performed by Mechanical Maintenance Repair Organization, P.O. No., Job No., etc.
Name Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407
Address Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System 1MS018D, POWER OPERATED MAIN STEAM RELIEF VALVE
5. (a) Applicable Construction Code Section III 19 74 Edition, S74 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)
Valve body	ACF IND. INC.	70-117586	N/A	1MS018D	1980	Replaced	Yes
Valve body	ACF IND. INC.	70-117588	N-1942	UTC# 0002067200	1980	Replacement	Yes
Weld Rod	Weld Star	Lot# DA6557	Order# 902876	UTC 2613978		Replacement	Yes
Weld Rod	Weld Star	Ht# 120016	Lot# 4G906A02	UTC 0002043806		Replacement	Yes
Weld Rod	Weld Star	Ht# 065671	Order # 902277	UTC 0002063735		Replacement	Yes

7. Description of Work REMOVED VALVE BODY AND INSTALL RECONDITIONED BODY FROM 2MS018B
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
VTZ Performed Other ☒ Pressure 994 psi Test Temp. 549 °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.

Code Case N416-1 involved GFD 6/30/03

(Final)

FORM NIS-2 (Back)

9. Remarks

Applicable Manufacturer's Data Reports to be attached

Reference Code Case N4116-1 for Re-submittal in AIRIO 90day Report
GAC

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 GAC Ansell
Owner or Owner's Designer, Title

Date 11/14/01 2001

GAC Ansell 6/30/03

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 HARRIS, I Co. of HARRIS, CT. have inspected the components described in this Owner's Report during the period 10-16-01 to 12-3-01, 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.

L. Hume
Inspector's Signature

Commissions IL 1085
National Board, State Province, and Endorsements

Date 2-3-, 2001

L. Hume 6/30/03

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

1. Owner Exelon Generation Co., LLC Date 08-30-01
Name
300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 3
Address
2. Plant Braidwood Station Unit 01
Name
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Work Request No. 00323687-15
Address
3. Work Performed by NPSW VENTURE Repair Organization, P.O. No., Job No., etc.
Name Type Code Symbol Stamp Not Applicable
35100 S. Rt. 53 Suite 84, Braceville, IL 60407 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System RH / RESIDUAL HEAT REMOVAL
5. (a) Applicable Construction Code Section III C12 19 74 Edition, S75 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)
3" ELBOW, 90 DEG 304SS	TAYLOR FORGE	HEAT #LVSA-1	N/A	UTC #0002615831	2001	REPLACEMENT	NO
WELDOLET 16"X3" 304SS	WFI	HEAT #1853ANA	N/A	UTC #0002615579	2001	REPLACEMENT	NO
PIPE, 3" SCH 40 304SS	ALTX	HEAT # 070038	N/A	UTC #0002615501	2001	REPLACEMENT	NO
3" GATE VALVE CF8M	FLOWERVE	SER #E356T-1-1	N/A	UTC #000261445	2001	REPLACEMENT	YES
3" GATE VALVE CF8M	FLOWERVE	SER #E356T-1-2	N/A	UTC #000261446	2001	REPLACEMENT	YES

7. Description of Work MODIFICATION / INSTALL LETDOWN BOOSTER PUMP
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
VT2 Performed Other ☐ Pressure 340 psi Test Temp. 151 °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.

Code Case N416-1 involved GAD 6/30/03

GAD
10/10/01

FORM NIS-2 (Back)

9. Remarks DCP 9900675 INSTALLED PER CONSTRUCTION CODE, SEC III 1974,S75.

Applicable Manufacturer's Data Reports to be attached

3" GATE VALVES SUPPLIED SEC III CL.2 1986,S87

PIPING/FITTINGS SUPPLIED SEC III CL.2 1974,S75

Referenced Code Case N4116-1 for Resubmittal in AIRID 90day Report

G48 6/30/03

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 G48 Daniel
Owner or Owner's Designee, Title

Date 10/10/01 19

G48 Daniel 6/30/03

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ILLINOIS and employed by HARTFORD CO. of HARTFORD CT. have inspected the components described in this Owner's Report during the period 7-26-01 to 11-16-01, 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.

L. H. Hume
Inspector's Signature

Commissions IL-1085
National Board, State Province, and Endorsements

Date 11-16 2001

L. H. Hume 6/30/03