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

www.exeloncorp.com

Exelon Nuclear

January 29, 2007
BW070004

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

Braidwood Station, Unit 2
Facility Operating License Nos. NPF-77
NRC Docket No. STN 50-457

Subject: Braidwood Station, Unit 2 Inservice Inspection Summary Report

Enclosed is the post-outage summary report (i.e., the 90 day report) for Inservice Inspection examinations conducted during the Braidwood Station, Unit 2 twelfth refueling outage (A2R12). 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," Article IWA-6200, "Requirements."

Please direct any questions you may have regarding this submittal to Mr. Dale Ambler, Regulatory Assurance Manager, at (815) 417-2800.

Sincerely,

Thomas Coutu
Site Vice President
Braidwood Station

Enclosure: Braidwood Station ISI Outage Report for A2R12

BRAIDWOOD STATION

UNIT 2 INSERVICE INSPECTION SUMMARY REPORT FOR:

Interval 2, Period 3, Outage 1
A2R12 Outage

STATION ADDRESS:

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

UNIT 2 COMMERCIAL SERVICE DATE:

October 17, 1988

OWNER'S ADDRESS:

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

TABLE OF CONTENTS

DESCRIPTION:	PAGE:
TITLE PAGE	
TABLE OF CONTENTS	ii
1.0 - INSPECTION INFORMATION	1-1 to 1-2
2.0 - INSERVICE EXAMINATION SUMMARY	2-1 to 2-4
3.0 - INSERVICE/PRESERVICE COMPONENT DETAILED EXAMINATION TABLES	3-1 to 3-42
4.0 - NIS-1 FORM (OWNER'S REPORT FOR INSERVICE INSPECTION)	4-1 to 4-3
5.0 - REPORT OF CONTAINMENT DEGRADATION (IWE/IWL)	5-1 to 5-4
6.0 - NIS-2 FORMS, Cover page plus 39 pages of Attachments (OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS)	6-1 to 6-40

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 2 between May 6, 2005 to January 10, 2007, with the majority of these inspections being performed during the Braidwood Station Unit 2 twelfth refueling outage (A2R12). This outage is reflected in the Braidwood ISI schedule by the code 231 (Interval 2, Period 3, Outage 1).

The examinations were performed in accordance 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 10CFR50.55a.

In addition to the ASME Section XI requirements, certain NRC augmented ISI inspections were required during A2R12. The Braidwood Unit 2 augmented ISI examinations included:

a) Examination of the Class 1 pressure boundary for leakage at nominal operating pressure, in accordance with Generic Letter 88-05.

b) Bare Metal Visual examination of the Unit 2 pressurizer steam space nozzles in accordance with Braidwood Station response to NRC Bulletin 2004-01, "Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors".

c) Bare Metal Visual examinations of the reactor vessel upper head in accordance with the First Revised NRC Order EA-03-009.

There were no significant findings associated with any of the augmented ISI examinations. Reports for these examinations have been submitted under separate transmittals when required.

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, and IWF-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, and IWF 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 personnel, or their designee, visually examined (VT-1, VT-2, VT-3, VT-1C, and VT-3C) and/or NDE examined (UT, PT, MT) ASME components. The components examined comply with the ISI Program Schedule, Braidwood Station Technical Specifications (TS), 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, or approved alternates (Performance Demonstration Initiative Program) as applicable. In addition, ultrasonic examination personnel were qualified in accordance with ANSI/ASME CP-189, 1995.

Certified personnel performed and evaluated visual examinations (VT-1, VT-2, and VT-3) 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, VT-1C and VT-3C) of Containment Structures. Personnel were certified to the requirements of the ANSI/ASNT 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, Risk Informed ISI, and augmented examinations performed during the Braidwood Station Unit 1 A2R12 refueling outage. 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	Number of Welds / Components*
Containment Spray (CS)	3
Chemical & Volume Control (CV)	2
Feedwater (FW)	19
Main Steam (MS)	8
Reactor Coolant (RC)	13
Residual Heat Removal (RH)	5
Reactor Coolant (RY)	5
Safety Injection (SI)	9
TOTALS	**64**

* Non-Section XI Augmented examinations and Risk Informed ISI socket weld VT-2 examinations are not included in these counts but are contained in Section 3.1.

2.2 Inservice Component Support Summary

SYSTEM EXAMINED	Number of Component Supports
Containment Spray (CS)	1
Chemical & Volume Control (CV)	22
Reactor Coolant (RC)	15
Residual Heat Removal (RH)	13
Safety Injection (SI)	3
Essential Service Water (SX)	4
TOTALS	**58**

2.3 Inservice Snubber Summary

SYSTEM EXAMINED	Number of Snubbers VT-3/4	Number of Snubbers Functionally Tested
Containment Spray (CS)	2	2
Chemical & Volume Control (CV)	4	3
Feedwater (FW)	7	6
Main Steam (MS)	3	3
Reactor Coolant (RC)	16	7
Residual Heat Removal (RH)	2	0
Reactor Coolant (RY)	2	0
Safety Injection (SI)	7	6
TOTALS	**43**	**27**

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 blocks that were examined for Section XI Inservice Inspection credit. Braidwood has adopted Code Case N-522 as previously approved for use in Regulatory Guide 1.147 Revision 13, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1" for systems penetrating primary containment.

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

* Portion of three two blocks (A02SI-000005-M04-02H and A01ZZ-000005-M04-02A were completed during A2R12, the remainder of these test blocks will be completed in A2R13.

2.4.2 Borated Bolting Inservice Inspection Summary

Summary of components contained in this table are those insulated borated bolted connections that 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 Examined by VT-2	Number of Connections Examined by VT-1
Chemical & Volume Control (CV)	18	2
Reactor Coolant (RC)	14	0
Residual Heat Removal (RH)	15	6
TOTALS	**47**	**8**

2.5 Steam Generator (SG) Eddy Current Testing Summary

In compliance with Braidwood Station Technical Specification (TS) 5.5.9, "Steam Generator Tube Surveillance Program," and American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code Section XI 1989 Edition, IWB 2500-1, Examination Category B-Q, Item B16.20, SG eddy current examinations were performed during the Braidwood Station Unit 2 Cycle 12 refueling outage (A2R12). In addition, the inspections were performed consistent with the Electric Power Research Institute (EPRI) "PWR Steam Generator Examination Guidelines," Revision 6, and Nuclear Energy Institute NEI 97-06, "Steam Generator Program Guidelines," Revision 2.

The following inspections were performed during this outage.

- 100% full-length bobbin coil in all four SGs
- 20% hot leg top of tubesheet (+/- 3") +Point™ in all four SGs
- 20% hot leg tubing within the tubesheet from the top of tubesheet down to a depth of 17 inches, +Point™ in all four SGs
- 20% hot leg bulges ≥ 18 volts and over expansions ≥ 1.5 mils within the hot leg tubesheet from the top of tubesheet down to a depth of 17 inches, +Point™ in all four SGs
- 100% hot leg top of tubesheet (+3" to- 17") +Point™ of tubes in-service tubes identified as having increased residual stress
- 20% preheater baffle expansion +Point™ in one SG
- 25% hot leg dents/dings >3.0 volts +Point™ in all four SGs
- 25% row 1 and 2 U-bends +Point™ in all four SGs
- Inspection of one deplugged tube hot leg Plug Expansion Zone (PEZ) +Point™
- 100% review of the bobbin eddy current data through the hot leg and cold leg tubesheet region to identify any unexpanded tubes in all four SGs
- Visual inspection of 100% of the previously installed mechanical plugs and welded tube plugs in all four SGs
- 100% Visual inspection of newly installed tube plugs in all four SGs

Note: Prior to completion of the steam generator inspection, on October 24, 2006, the NRC approved Braidwood Technical Specification Amendment 141. This amendment allowed that during Braidwood Station, Unit 2, refueling outage twelve (i.e., A2R12), and the subsequent operating cycle, the hot leg tubesheet inspection scope could be limited to the region 17 inches below the top of tubesheet. A minimum 20% of the tubing was inspected through this region during A2R12. This sample included a minimum 20% sample of the bulges ≥ 18 volts and over expansions ≥ 1.5 mils in this region. No degradation was found during this inspection.

The modes of tube degradation found during the Braidwood Station, Unit 2, A2R12 were anti-vibration bar wear, foreign object wear and preheater wear at the support plate intersections.

In accordance with Technical Specification 5.5.9.c, "Inspection Results Classification," the inspection results were classified as category C-1 for SG D and category C-2 for SGs A, B and C. There were no scanning limitations during the eddy current examinations.

As a result of the A2R12 eddy current inspections, a total of fourteen (14) tubes were removed from service by mechanical tube plugging. Four tubes also received stabilizers in the area of degradation prior to tube plugging. The Tables below provide the total tube plugging history / equivalent plugging levels to-date and the total number of tubes plugged in A2R12 by degradation mode.

Equivalent Tube Plugging Level

	SG A	SG B	SG C	SG D	Total
Tubes Previously Plugged	57	48	56	25	186
Tubes Plugged in A2R12	9	1	4	0	14
Total Tubes Plugged	**66**	**49**	**60**	**25**	**200**
Total Tubes Plugged (%)	**1.44%**	**1.07%**	**1.31%**	**0.55%**	**1.09%**

Tubes Repaired During A2R12

	SG A	SG B	SG C	SG D	Total
Foreign Object Wear	1	0	1	0	2
Anti-Vibration Bar Wear	8	0	2	0	10
Preheater Support Wear	0	1	1	0	2
A2R12 Plugging Totals	**9**	**1**	**4**	**0**	**14**

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 for this section (Pages 3-5 to 3-20) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 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) (K)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(J)								

3.1.1 Detailed Preservice Weld/Component Table(s):

The table for this section (Page 3-21 to 3-22) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 (no Class 2 replaced) components replaced during A2R12. 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) (K)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(J)								

3.2 Detailed Inservice Component Support Table:

The table for this section (Pages 3-23 to 3-29) lists the examinations performed for Section XI Inservice Inspection requirements for Class 1 and 2 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) (K)	(C)	(D)	(E)	(G)	(I)
(J)						

3.2.1 Detailed Preservice Component Support Table:

The table for this section (Pages 3-30) lists the examinations performed for Section XI Inservice Inspection requirements for a replaced Class 2 component support. 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) (K)	(C)	(D)	(E)	(G)	(I)
(J)						

3.3 Detailed Inservice Snubber Table:

The table for this section (Pages 3-31 to 3-39) lists the examinations performed for Section XI Inservice Inspection requirements for Class 1 and 2 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) (K)	(C)	(D)	(E)	(G)	(I)
(J)						

3.3.1 Detailed Preservice Snubber Table:

The table for this section (Pages 3-40) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 (no Class 2 were replaced) snubbers replaced during A2R12. 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) (K)	(C)	(D)	(E)	(G)	(I)
(J)						

3.4 Detailed Inservice Pressure Test Table(s):

3.4.1 System Pressure Tests

The table for this section (Pages 3-41 to 3-42) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 pressure test blocks. 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)
	(K)				
(J)					

3.4.2 Borated Bolted Connection Inspections

The table for this section (Pages 3-43 to 3-45) lists the examinations performed for Inservice Inspection pressure testing requirements of Section XI Class 1 and 2 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)
	(K)				
(J)					

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) associated with the component for identification.

(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 volumetric examination 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

BMV	-	Bare Metal Visual Inspection
FUNCT	-	Snubber Functional Test
GE/IND	-	Geometry/Indication
GEOM	-	Geometry
IND	-	Indication
IO	-	Information Only
IR	-	Issue Report
NRI	-	No Recordable Indications
MT	-	Magnetic Particle Inspection
PT	-	Liquid Penetrant Inspection
SUR	-	Surface Exam
TBD	-	To Be Developed
WO	-	Work Order
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

(Page 1 of 16)

SYSTEM: Containment Spray System (CS)

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	2CS-03-38 PIPE - ELBOW	2CS01AA-16"		NOTE 4 NOTE 7	100	VOL-E	UT-60	NRI
R-A	R01.20	2CS-03-55 PIPE - ELBOW	2CS01AA-16"		NOTE 4 NOTE 7	100	VOL-E	UT-60	NRI
R-A	R01.20	2CS-04-32 PIPE - TEE	2CS23AB-14"		NOTE 4 NOTE 7	100	VOL-E	UT-60	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 2 of 16)

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	2CV-05-03 ELBOW - PIPE	2CVA3B-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-05-04 PIPE - ELBOW	2CVA3B-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-05-05 ELBOW - PIPE	2CVA3B-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-05-06 PIPE - ELBOW	2CVA3B-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-05-13 PIPE - ELBOW	2CVA3B-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-05-14 ELBOW - PIPE	2CVA3B-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-11-06 PIPE - ELBOW	2CVA6AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-11-07 ELBOW - PIPE	2CVA6AA-2"				VT-2	VT-2	NRI
C-C	C03.20	2CV-21-SW01 180 DEGREE WELDED SADDLE	2CVJ4A-4"	I2R-15	NOTE 4	100	SUR	PT	NRI
R-A	R01.11	2RC-36-15 PIPE - ELBOW	2CVA3AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-16 ELBOW - PIPE	2CVA3AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-17 PIPE - ELBOW	2CVA3AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-18 ELBOW - PIPE	2CVA3AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-13 PIPE - ELBOW	2CVA7AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-14 ELBOW - PIPE	2CVA7AA-2"				VT-2	VT-2	NRI
C-C	C03.30	2RHP-01-CVP-01, 02, 03, 04 (A PUMP)	2CV01PA	I2R-02	NOTE 4		VT-1	VT-1	NRI
		(4) LUGS ATTACH. TO "A" CV PUMP		I2R-15		74	SUR	PT	NRI
Reduced coverage for surface exam addressed through Braidwood Second Interval Relief Request I2R-02.									

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 3 of 16)

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	2FW-01-04	2FW03DD-16"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	VALVE 2FW009D - PIPE			NOTE 5			UT-60	NRI
					NOTE 7				
R-A	R01.11	2FW-01-05	2FW03DD-16"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - PIPE			NOTE 5				
					NOTE 7				
R-A	R01.11	2FW-01-06	2FW03DD-16"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - PENETRATION (2PC-076) PIPE			NOTE 5				
					NOTE 7				
R-A	R01.11	2FW-07-10	2FW87CC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - ELBOW			NOTE 7			UT-70	NRI
The 70 degree scan was used to enhance coverage on circumferential scan.									
R-A	R01.11	2FW-07-11	2FW87CC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	ELBOW - PIPE			NOTE 7			UT-70	NRI
The 70 degree scan was used to enhance coverage on circumferential scan.									
R-A	R01.11	2FW-07-12	2FW87CC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - ELBOW			NOTE 7			UT-70	NRI
The 70 degree scan was used to enhance coverage on circumferential scan.									
R-A	R01.11	2FW-07-13	2FW87CC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	ELBOW - PIPE			NOTE 7			UT-70	NRI
The 70 degree scan was used to enhance coverage on circumferential scan.									
R-A	R01.11	2FW-08-14	2FW87CD-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - ELBOW			NOTE 7			UT-70	NRI
The 70 degree scan was used to enhance coverage on circumferential scan.									
R-A	R01.11	2FW-09-10	2FW87CA-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	ELBOW - PIPE			NOTE 7			UT-70	NRI
The 70 degree scan was used to enhance coverage on circumferential scan.									
R-A	R01.11	2FW-09-12	2FW87CA-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	ELBOW - PIPE			NOTE 7			UT-70	NRI
The 70 degree scan was used to enhance coverage on circumferential scan.									
R-A	R01.11	2FW-10-20	2FW81BC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - TEE			NOTE 5				
R-A	R01.11	2FW-10-21	2FW87CC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	TEE - 6"X4" REDUCER			NOTE 5				
R-A	R01.11	2FW-10-22	2FW87CC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	TEE - PIPE			NOTE 5				
R-A	R01.11	2FW-10-23	2FW87CC-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - PIPE			NOTE 5				
R-A	R01.11	2FW-12-21	2FW81BD-6"		NOTE 4	100	VOL-E	UT-45	NRI
	R01.18	PIPE - TEE			NOTE 5				
					NOTE 7				

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 4 of 16)

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 R01.18	2FW-12-22 TEE - 6"X4" REDUCER	2FW87CD-6"		NOTE 4 NOTE 5 NOTE 7	100	VOL-E	UT-45	NRI
R-A	R01.11 R01.18	2FW-12-23 TEE - PIPE	2FW87CD-6"		NOTE 4 NOTE 5 NOTE 7	100	VOL-E	UT-45	NRI
R-A	R01.11 R01.18	2FW-12-24 PIPE - PIPE	2FW87CD-6"		NOTE 4 NOTE 5 NOTE 7	100	VOL-E	UT-45	NRI
C-C	C03.20	2FW-12-25 & 25A PIPE - PENETRATION (2PC-099)	2FW87CD-6"	I2R-10 I2R-15	NOTE 4	93.4	SUR	MT	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 5 of 16)

SYSTEM: Main Steam System (MS)

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	2MS-02-27 PIPE - ELBOW	2MS07AD-28"		NOTE 4 NOTE 5 NOTE 7	100	VOL	UT-45	NRI
R-A	R01.20	2MS-02-32 ELBOW - PIPE	2MS07AD-28"		NOTE 4 NOTE 5 NOTE 7	100	VOL	UT-45	NRI
R-A	R01.20	2MS-02-51 PIPE - ELBOW	2MS13AD-8"		NOTE 4 NOTE 5 NOTE 7	100	VOL-E	UT-45	NRI
R-A	R01.20	2MS-02-52 ELBOW - PIPE	2MS13AD-8"		NOTE 4 NOTE 5 NOTE 7	100	VOL-E	UT-45	NRI
R-A	R01.20	2MS-02-53 PIPE - ELBOW	2MS13AD-8"		NOTE 4 NOTE 5 NOTE 7	100	VOL	UT-45	NRI
R-A	R01.20	2MS-02-54 ELBOW - PIPE	2MS13AD-8"		NOTE 4 NOTE 5 NOTE 7	100	VOL-E	UT-45	NRI
R-A	R01.20	2MS-02-55 PIPE - ELBOW	2MS13AD-8"		NOTE 4 NOTE 5 NOTE 7	100	VOL-E	UT-45	NRI
R-A	R01.20	2MS-02-56 ELBOW - PIPE	2MS13AD-8"		NOTE 4 NOTE 5 NOTE 7	100	VOL	UT-45	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 6 of 16)

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	2RC-01-10 ELBOW - PIPE	2RC02AA-31"		NOTE 4	100	VOL-E	UT-45L	NRI
R-A	R01.20	2RC-01-18 2RC01PA NOZZLE - PIPE	2RC03AA-27.5"		NOTE 4	100	VOL-E	UT-45L	NRI
R-A	R01.20	2RC-01-27 10" BRANCH NOZZLE - 27.5" PIPE	2RC03AA-27.5"		NOTE 4	100	VOL-E	UT-45L	NRI
B-G-1	B06.210 B06.220 B06.230	2RC-01-2RC8001A (BLT) 2RC8001A VALVE BOLTING (24 TL)	2RC01AA-29"		NOTE 2		VT-1	VT-1	NRI
R-A	R01.20	2RC-02-09 10" BRANCH NOZZLE - 27.5" PIPE	2RC29AB-10"		NOTE 4	100	VOL-E	UT-45L	NRI
R-A	R01.20	2RC-20-02 PIPE - ELBOW	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-03 ELBOW - PIPE	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-04 PIPE - ELBOW	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-05 ELBOW - PIPE	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-36 PIPE - ELBOW	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-37 ELBOW - PIPE	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-38 PIPE - ELBOW	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-39 ELBOW - PIPE	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-20-40 PIPE - ELBOW	2RC22AD-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2RC-29-11 VALVE 2RC8038C - PIPE	2RC16AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-29-12 PIPE - ELBOW	2RC16AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-29-13 ELBOW - PIPE	2RC16AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-29-14 PIPE - ELBOW	2RC16AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-29-15 ELBOW - PIPE	2RC16AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-29-16 PIPE - BRANCH CONNECT.	2RC16AC-2"				VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 7 of 16)

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	2RC-30-11 PIPE - ELBOW	2RC13AB-2"				VT-2	VT-2	NRI
R-A	R01.20	2RC-30-12 ELBOW - PIPE	2RC13AB-2"				VT-2	VT-2	NRI
R-A	R01.20	2RC-30-13 PIPE - TEE	2RC13AB-2"				VT-2	VT-2	NRI
R-A	R01.20	2RC-30-14 TEE - 2"X.75" REDUCER	2RC13AB-2"				VT-2	VT-2	NRI
R-A	R01.20	2RC-30-15 TEE - PIPE	2RC13AB-2"				VT-2	VT-2	NRI
R-A	R01.20	2RC-30-16 PIPE - VALVE 2RC8040B	2RC13AB-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-30-18 PIPE - ELBOW	2RC13AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-30-19 ELBOW - PIPE	2RC13AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-30-20 PIPE - TEE	2RC13AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-30-21 TEE - 2"X.75" REDUCER	2RC13AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.20	2RC-30-22 TEE - PIPE	2RC13AC-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2RC-31-01 BRANCH CONNECTION - PIPE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-02 PIPE - ELBOW	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-03 ELBOW - PIPE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-04 PIPE - ELBOW	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-05 ELBOW - PIPE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-06 PIPE - ELBOW	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-07 ELBOW - PIPE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-08 PIPE - VALVE 2RC8039B	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-09 VALVE 2RC8039B - PIPE	2RC14AB-2"				VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 8 of 16)

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	2RC-31-09A.01 PIPE - TEE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-09B.01 TEE - PIPE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-09C.01 TEE - 2"X1" REDUCER	2RC86AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-10 PIPE - TEE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-11 TEE - 2"X.75" REDUCER	2RC15AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-31-12.01 TEE - PIPE	2RC14AB-2"				VT-2	VT-2	NRI
R-A	R01.20	2RC-31-14 BRANCH CONNECTION - PIPE	2RC26A-2"				VT-2	VT-2	NRI
R-A	R01.20	2RC-31-15 PIPE - VALVE 2RC8057	2RC26A-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-02 PIPE - ELBOW	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-03 ELBOW - PIPE	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-04 PIPE - VALVE 2RC8039A	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-05 VALVE 2RC8039A - PIPE	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-05A.01 PIPE - TEE	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-05B.01 TEE - PIPE	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-05C.01 TEE - 2"X1" REDUCER	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-06 PIPE - TEE	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-07 TEE - 2"X.75" REDUCER	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-08.01 TEE - PIPE	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-36-09 PIPE - VALVE 2RC8037A	2RC14AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-01 BRANCH CONNECTION - PIPE	2RC14AD-2"				VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 9 of 16)

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	2RC-37-02 PIPE - COUPLING	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-03 COUPLING - PIPE	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-04 PIPE - ELBOW	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-05 ELBOW - PIPE	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-06 PIPE - VALVE 2RC8039D	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-07 VALVE 2RC8039D - PIPE	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-07A.01 PIPE - TEE	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-07B.01 TEE - PIPE	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-07C.01 TEE - 2"X1" REDUCER	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-08 PIPE - TEE	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-09 TEE - 2"X.75" REDUCER	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-10 TEE - PIPE	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-37-11 PIPE - VALVE 2RC8037D	2RC14AD-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-03 VALVE 2RC8038A - PIPE	2RC16AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-04 PIPE - ELBOW	2RC16AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-05 ELBOW - PIPE	2RC16AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-06 PIPE - ELBOW	2RC16AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-07 ELBOW - PIPE	2RC16AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-08 PIPE - BRANCH CONNECT.	2RC16AA-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-11 VALVE 2RC8038B - PIPE	2RC16AB-2"				VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 10 of 16)

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	2RC-41-12 PIPE - ELBOW	2RC16AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-41-13 ELBOW - PIPE	2RC16AB-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-42-01 BRANCH CONNECTION - PIPE	2RC14AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-42-02 PIPE - ELBOW	2RC14AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-42-03 ELBOW - PIPE	2RC14AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-42-08 TEE - PIPE	2RC14AC-2"				VT-2	VT-2	NRI
R-A	R01.11	2RC-42-09 PIPE - VALVE 2RC8037C	2RC14AC-2"				VT-2	VT-2	NRI
B-G-1	B06.10	2RV-03-NUTS (01 TO 54) CLOSURE HEAD NUTS (54 TOTAL)	2RC01R	I2R-19			VT-1	VT-1	NRI NRI
Examined washers for nuts 1 through 9 and 46 through 54. Remaining nuts were examined during previous outages.									
B-G-1	B06.30	2RV-03-STUDS (01 TO 54) CLOSURE HEAD STUDS (54 TOTAL)	2RC01R			100	VOL	UT-0	NRI
Examined studs 1 through 9 and 46 through 54. The remaining studs were examined during previous outages. Surface examination is no longer required per Code Case N-652 approved in Regulatory Guide 1.147, Revision 14.									
B-G-1	B06.50	2RV-03-WASHERS (01 TO 54) CLOSURE WASHERS (01 TO 54)	2RC01R				VT-1	VT-1	NRI NRI
Examined washers for studs 1 through 9 and 46 through 54. Remaining washers were examined during previous outages.									
B-Q	B16.20	2SG-01-2RC01BA TUBING STEAM GENERATOR TUBING	2RC01BA				ET	ET	IND.
Based on eddy current results, the following tubes were plugged on the hot and cold leg sides: Row 41/Column 25, Row 40/Column 30, Row 46/Column 59, Row 40/Column 62, Row 12/Column 70, Row 40/Column 71, Row 41/Column 74, Row 40/Column 85, and Row 32/Column 99.									
B-Q	B16.20	2SG-02-2RC01BB TUBING STEAM GENERATOR TUBING	2RC01BB				ET	ET	IND.
Based on eddy current results, the following tube was plugged on the hot and cold leg side: Row 49/Column 61									
B-Q	B16.20	2SG-03-2RC01BC TUBING STEAM GENERATOR TUBING	2RC01BC				ET	ET	IND.
Based on eddy current results, the following tubes were plugged on the hot and cold leg sides: Row 8/Column 18, Row 41/Column 60, Row 44/Column 60, Row 49/Column 63									
B-G-2	B07.30	2SG-03-B1 9A PRIMARY MANWAY (16 BOLTS)	2RC01BC				VT-1	VT-1	NRI
B-G-2	B07.30	2SG-03-B2 9B PRIMARY MANWAY (16 BOLTS)	2RC01BC				VT-1	VT-1	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 11 of 16)

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-Q	B16.20	2SG-04-2RC01BD TUBING STEAM GENERATOR TUBING	2RC01BD				ET	ET	NRI
Based on eddy current results, tube plugging was not required.									
R-A	R01.20	2SI-13-29 PIPE - ELBOW	2RC29AD-10"		NOTE 4	96.8	VOL-E	UT-45	NRI
R-A	R01.20	2SI-13-30 ELBOW - ELBOW	2RC29AD-10"		NOTE 4	100	VOL-E	UT-45	NRI
R-A	R01.20	2SI-13-31 ELBOW - PIPE	2RC29AD-10"		NOTE 4	100	VOL-E	UT-45	NRI
R-A	R01.11	2SI-31-01 PIPE - 3"X1.5" REDUCER	2RC30AA-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-31-02 VALVE 2SI8900A - PIPE	2RC30AA-1.5"				VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 12 of 16)

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	C03.20	2RH-03-42 PIPE - PENETRATION (2AB-128)	2RH03AA-8"	I2R-15	NOTE 4	100	SUR	PT	NRI
C-B	C02.21	2RHX-01-2RHXN1 (A HX) 2A RH HX SHELL - NOZZLE	2RH02AA	I2R-07	NOTE 4	100	SUR	PT	NRI
C-B	C02.21	2RHX-01-2RHXN1 (B HX) 2B RH HX SHELL - NOZZLE	2RH02AB	I2R-07	NOTE 4	100	SUR	PT	NRI
C-B	C02.21	2RHX-01-2RHXN2 (A HX) NOZZLE - 2A RH HX SHELL	2RH02AA	I2R-07	NOTE 4	100	SUR	PT	NRI
C-B	C02.21	2RHX-01-2RHXN2 (B HX) NOZZLE - 2B RH HX SHELL	2RH02AB	I2R-07	NOTE 4	100	SUR	PT	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 13 of 16)

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	2CV-02-13 VALVE 2CV8377 - PIPE	2RY18A-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-02-15 ELBOW - PIPE	2RY18A-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-02-18 PIPE - ELBOW	2RY18A-2"				VT-2	VT-2	NRI
R-A	R01.11	2CV-02-20 PIPE - 2" SOCKOLET	2RY18A-2"		NOTE 4 NOTE 9	100	VOL	UT-45	NRI
A2R12 exam required per CR 292238, not a Section XI ISI examination.									
B-B	B02.11	2PZR-01-08E SHELL - UPPER HEAD	2RY01S		NOTE 4	100	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
B-B	B02.12	2PZR-01-09D SHELL LONG SEAM	2RY01S		NOTE 4	100	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
B-E	B04.20	2PZR-01-HEATER PENET. PRESSURIZER HEATER PENETRATION	2RY01S				VT-2	VT-2	NRI
		PRESSURIZER HEATER PENETRATION					BMV	BMV	NRI
Bare metal visual examination per NSAL 06-08.									
B-D	B03.110	2PZR-01-N4A PRESSURIZER - SAFETY NOZZLE	2RY01S		NOTE 4	100	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
B-D	B03.120	2PZR-01-N4A (NIR) PRESSURIZER - SAFETY NOZZLE INNER RADIUS	2RY01S		NOTE 4	100	IRS	UT-24 UT-60 UT-65	NRI NRI NRI
R-A	R01.15 B01.11 I-600	2PZR-01-SE-01 PZR SURGE NOZZLE - SAFE END	2RY11A-14"		NOTE 4		BMV	BMV	NRI
Bare metal visual inspection per MRP 2003-039.									
R-A	R01.15 I-600	2PZR-01-SE-02 PZR SAFETY NOZZLE - SAFE END	2RY03AA-6"		NOTE 4		BMV	BMV	NRI
Bare metal visual every outage per response to NRC Bulletin 2004-01.									
R-A	R01.15 I-600	2PZR-01-SE-03 PZR SAFETY NOZZLE - SAFE END	2RY03AB-6"		NOTE 4		BMV	BMV	NRI
Bare metal visual every outage per response to NRC Bulletin 2004-01.									
R-A	R01.15 I-600	2PZR-01-SE-04 PZR SAFETY NOZZLE - SAFE END	2RY03AC-6"		NOTE 4		BMV	BMV	NRI
Bare metal visual every outage per response to NRC Bulletin 2004-01.									
R-A	R01.15 R01.11 I-600	2PZR-01-SE-05 SAFE END - PZR SPRAY NOZZLE	2RY01B-4"		NOTE 4		BMV	BMV	NRI
Bare metal visual every outage per response to NRC Bulletin 2004-01.									

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 14 of 16)

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	R01.15	2PZR-01-SE-06	2RY02A-6"		NOTE 4		BMV	BMV	NRI
	I-600	PZR RELIEF NOZZLE - SAFE END							
Bare metal visual every outage per response to NRC Bulletin 2004-01.									
R-A	R01.11	2RC-16-13	2RY01B-6"		NOTE 4	100	VOL	UT-45	NRI
		ELBOW - PIPE			NOTE 9				
A2R12 exam required per CR 292238, not a Section XI ISI examination.									
R-A	R01.11	2RC-16-14	2RY18A-2"		NOTE 4	100	VOL	UT-45	NRI
		2" SOCKOLET - 6" PIPE			NOTE 9				
A2R12 exam required per CR 292238, not a Section XI ISI examination.									

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 15 of 16)

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	2SI-01-2SI8948A (BLT) 2SI8948A CHECK VALVE (18 BLTS)	2SI09BA-10"		NOTE 3		VT-1	VT-1	NRI
Evidence of body-to-bonnet leakage at the gasketed joint was identified in IR 546557 prior to the VT-1 examination. Boric acid was not in contact with the body-to-bonnet bolting and no degradation of the bolting was observed during VT-1 examination.									
B-G-2	B07.70	2SI-02-2SI8949A (BLT) 2SI8949A CHECK VALVE (16 BLTS)	2SIA4B-6"		NOTE 3		VT-1	VT-1	NRI
R-A	R01.11	2SI-08-31 3"X1.5" REDUCER - COUPLING	2SI08FA-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.16	2SI-13-25 PIPE - ELBOW	2SI09BD-10"		NOTE 4	100	VOL	UT-45	NRI
Weld was not part of original ISI scope, but was examined during A2R12 (reference IR 547480). Weld credited weld to ISI program.									
R-A	R01.16	2SI-13-26 ELBOW - PIPE	2SI09BD-10"		NOTE 4	100	VOL	UT-45	NRI
Weld was not part of original ISI scope, but was examined during A2R12 (reference IR 547480). Weld credited weld to ISI program.									
B-G-2	B07.50	2SI-17-B1 FLANGED CONNECTION (4 STUDS)	2SI08JB-1.5"				VT-1	VT-1	NRI
Dry boric acid at flanged connection (2SI04MB) was identified under IR 547070. Leakage was not in contact with the flange bolting and no degradation of flange bolting was identified.									
B-G-2	B07.50	2SI-18-B1 FLANGED CONNECTION (8 STUDS)	2SI08HB-2"				VT-1	VT-1	NRI
B-G-2	B07.50	2SI-18-B2 FLANGED CONNECTION (4 STUDS)	2SI08JB-1.5"				VT-1	VT-1	NRI
R-A	R01.11	2SI-20-04 ELBOW - PIPE	2SI08JC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-05 PIPE - ELBOW	2SI08JC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-06 ELBOW - PIPE	2SI08JC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-07 PIPE - ELBOW	2SI08JC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-09 PIPE - FLANGE	2SI08JC-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-10 ELBOW - PIPE	2SI08JC-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-11 PIPE - ELBOW	2SI08JC-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-12 VALVE 2SI8810C - PIPE	2SI08JC-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-13 PIPE - VALVE 2SI8810C	2SI08JC-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-14 2"X1.5" REDUCER - PIPE	2SI08JC-1.5"				VT-2	VT-2	NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

(Page 16 of 16)

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									
R-A	R01.11	2SI-20-15 COUPLING - 2"X1½" REDUCER	2SI08HC-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-20 2"X1.5" REDUCER - COUPLING	2SI08HC-2"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-21 PIPE - 2"X1½" REDUCER	2SI08GC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-22 ELBOW - PIPE	2SI08GC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-23 PIPE - ELBOW	2SI08GC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-24 ELBOW - PIPE	2SI08GC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-25 PIPE - ELBOW	2SI08GC-1.5"		NOTE 4		VT-2	VT-2	NRI
R-A	R01.11	2SI-20-27 COUPLING - PIPE	2SI08GD-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-28 PIPE - ELBOW	2SI08GD-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-29 ELBOW - PIPE	2SI08GD-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-30 PIPE - ELBOW	2SI08GD-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-31 ELBOW - PIPE	2SI08GD-1.5"				VT-2	VT-2	NRI
R-A	R01.11	2SI-20-32 PIPE - 2"X1½" REDUCER	2SI08GD-1.5"				VT-2	VT-2	NRI
R-A	R01.20	2SI-34-15 PIPE - PIPE	2SI01B-24"		NOTE 4 NOTE 7	100	VOL-E	UT-60	NRI
R-A	R01.20	2SI-35-62 ELBOW - ELBOW	2SI82AB-12"		NOTE 4 NOTE 7	100	VOL-E	UT-60	NRI

Section 3.1.1 Detailed Preservice Inspection Weld / Component Listing

(Page 1 of 2)

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	B07.30	2SG-02-B2 9B PRIMARY MANWAY (16 BOLTS)	2RC01BB				VT-1	VT-1	NRI
VT-1 preservice exam of one primary manway bolt (Cold Leg Bolt #11). Existing bolt head was different from remainder of bolting and did not fit the socket wrench.									
B-G-2	B07.30	2SG-03-B1 9A PRIMARY MANWAY (16 BOLTS)	2RC01BC				VT-1	VT-1	NRI
VT-1 preservice exam of one primary manway bolt (Hot Leg Bolt #9). Existing bolt head was different from remainder of bolting and did not fit the socket wrench.									
B-G-2	B07.30	2SG-03-B2 9B PRIMARY MANWAY (16 BOLTS)	2RC01BC				VT-1	VT-1	NRI
VT-1 preservice exam of one primary manway bolt (Cold Leg Bolt #12). Existing bolt head was different from remainder of bolting and did not fit the socket wrench.									
B-G-2	B07.30	2SG-04-B2 9B PRIMARY MANWAY (16 BOLTS)	2RC01BD				VT-1	VOL-E	NRI
VT-1 preservice exam of one primary manway bolt (Cold Leg Bolt #2). Existing bolt head was different from remainder of bolting and did not fit the socket wrench.									

Section 3.1.1 Detailed Preservice Inspection Weld / Component Listing

(Page 2 of 2)

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	2SI-09-2SI8948C (BLT) 2SI8948C CHECK VALVE (18 BLTS)	2SI09BC-10"		NOTE 3		VT-1	VT-1	NRI
Baseline VT-1 of four replacement heavy hex nuts (Cat ID 1234797-1, UTC's 2640613 and 2714828) and four double ended studs (Cat ID 1234801-1, UTC 2640612). Only one stud (UTC 2640612) and nut (UTC 2640613) were acutally installed.									

Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 1 of 7)

SYSTEM: Containment Spray System (CS)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	2CS03099G Slide Plate, Support integrally attached	2CS02AA-10"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 2 of 7)

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	2CV01011R Strut	2CV08BA-4"		NOTE 8	VT-3	NRI
F-A	F01.20	2CV01A002G Box	2CV08BA-4"		NOTE 8	VT-3	NRI
F-A	F01.20	2CV01A006X Box	2CV08BA-4"		NOTE 8	VT-3	NRI
F-A	F01.20	2CV01A007R Box	2CV08BA-4"		NOTE 8	VT-3	NRI
F-A	F01.20	2CV01A046X Strut	2CV08AA-4"		NOTE 8	VT-3	NRI
F-A	F01.20	2CV01A062A Anchor, integrally attached to pipe	2CVJ4A-4"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV02001C (1) Constant Spring Can	2CV10DB-3"		NOTE 8	VT-3	NRI
Additional Examination performed due to Recordable Indication identifed on Component Support 2CV41016V (Carrying No Load). Reference Issue Report Number 544850.							
F-A	F01.20	2CV08001V (1) Variable Spring Can	2CV05CB-6"		NOTE 8	VT-3	NRI
F-A	F01.20	2CV08005X Box	2CV05CB-6"		NOTE 8	VT-3	NRI
F-A	F01.20	2CV08017X Strut	2CV05CB-6"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV15106G U-Bolt	2CVA3B-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV16014X Box	2CVA7AB-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV16020R Strut	2CVA7AB-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV16036R Box	2CVA3B-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV16047G Box	2CVA3B-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV22012R Strut	2CV45B-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV25010R Box	2CVA7AA-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV25015V (1) Variable Spring Can	2CVA7AA-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV25016X Strut	2CVA7AA-2"		NOTE 8	VT-3	NRI
Insulation removed from attachment for examination.							

Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 3 of 7)

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	2CV41016V (1) Variable Spring Can	2CV14FD-2"		NOTE 8	VT-3 VT-3	IND. NRI
Support discovered unloaded during initial VT-3 examination. Support adjusted under WO 967028-01. Reference Issue Report Number 544850.							
F-A	F01.20	2SI15007R Strut	2CVA1A-6"		NOTE 8	VT-3	NRI
F-A	F01.20	2SI15008X Strut	2CVA1A-6"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 4 of 7)

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	2CV03003X Strut	2RC28A-3"		NOTE 8	VT-3	NRI
Insulation removed from attachment for examination.							
F-A	F01.10	2CV06001V (1) Variable Spring Can	2RC36A-3"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV06015R Strut	2RC36A-3"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV09061R Strut	2RC14AC-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV11018C (1) Constant Spring Can	2RC14AA-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV12004C (1) Constant Spring Can	2RC16AA-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV13004R Box	2RC16AC-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV14002V (1) Variable Spring Can	2RC16AD-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV24034R Strut	2RC16AB-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV25005R Box	2RC14AD-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2CV25055G U-Bolt	2RC14AD-2"		NOTE 8	VT-3	NRI
F-A	F01.10	2RC02004V (1) Variable Spring Can	2RC21BB-8"		NOTE 8	VT-3	NRI
F-A	F01.10	2RY06007X Strut	2RC24AB-4"		NOTE 8	VT-3	NRI
Insulation removed from attachment for examination.							
F-A	F01.10	2RY06009X Strut	2RC24AB-4"		NOTE 8	VT-3	NRI
Insulation removed from attachment for examination.							
F-A	F01.10	2RY06010R Strut	2RC24AB-4"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 5 of 7)

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	F01.20	2AB-128A Anchor, integrally attached to pipe	2RH03AA-8"		NOTE 8	VT-3	NRI
F-A	F01.20	2PC-075A Anchor, integrally attached to pipe	2RH01BB-12"		NOTE 8	VT-3 VT-3	NRI NRI
Examination performed on 08/17/2006 was on components outside the containment. Examination performed on 10/03/2006 was on components inside the containment.							
F-A	F01.20	2RH01007G Box	2RH02AA-8"		NOTE 8	VT-3	NRI
F-A	F01.20	2RH01008G (2) Struts	2RH02AA-8"		NOTE 8	VT-3	NRI
F-A	F01.40	2RH01PA 2A RHR PP., integrally attached to pump	2RH01PA		NOTE 8	VT-3	NRI
F-A	F01.20	2RH04003X Strut	2RH03AB-8"		NOTE 8	VT-3	NRI
F-A	F01.20	2RH07027X Strut	2RH02AA-8"		NOTE 8	VT-3	NRI
F-A	F01.20	2RH08006R Rod	2RH02AB-8"		NOTE 8	VT-3	NRI
F-A	F01.20	2RH08008R Strut	2RH02AB-8"		NOTE 8	VT-3	NRI
F-A	F01.20	2SI06352R Strut	2RH01BA-12"		NOTE 8	VT-3	NRI
F-A	F01.20	2SI06357X Slide Plate	2RH01CA-16"		NOTE 8	VT-3	NRI
F-A	F01.20	2SI06359X Strut	2RH01CA-16"		NOTE 8	VT-3	NRI
F-A	F01.20	2SI06367X Box	2RH01BA-12"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 6 of 7)

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	2SI06301R Strut	2SI01B-24"		NOTE 8	VT-3	NRI
F-A	F01.20	2SI06302X Box	2SI01B-24"		NOTE 8	VT-3	NRI
F-A	F01.20	2SI06309X Strut	2SI01B-24"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 7 of 7)

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	2SX06005G Box	2SX06CA-14"		NOTE 8	VT-3	NRI
F-A	F01.20	2SX06032X Strut	2SX08BA-10"		NOTE 8	VT-3	NRI
F-A	F01.20	2SX07020G (2) Struts	2SX08BB-10"		NOTE 8	VT-3	NRI
F-A	F01.20	2SX08113X Strut	2SX09BA-10"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Preservice Inspection Component Support Listing

(Page 1 of 1)

SYSTEM: Containment Spray System (CS)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	2CS03067X Strut	2CS02AB-10"		NOTE 8	VT-3	NRI
Existing strut was bent (reference IR 387911, determined no system transient/water hammer) was being replaced under WO 860267-01.							

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 1 of 9)

SYSTEM: Containment Spray System (CS)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	2CS03012S Snubber	2CS02AA-10"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2CS03107S Snubber	2CS02AA-10"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 2 of 9)

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	2CV08011S Snubber	2CV05CB-6"	I2R-14		VT-3 Functional VT-3	N/A IO NRI
Marginal Test Results, Replace A2R13, W/O 974200. Reference Issue Report No. 554692.							
F-A	F01.20	2CV08021S Snubber	2CV05CB-6"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Marginal Test Results, Replace A2R13, W/O 974201. Reference Issue Report No. 554698.							
F-A	F01.10	2CV09063S Snubber	2CVA6AA-2"	I2R-14		VT-3	NRI
F-A	F01.10	2CV40001S Snubber	2CV14FC-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 3 of 9)

SYSTEM: Feedwater System (FW)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	2FW02012S Snubber	2FW03DA-16"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2FW03016S Snubber	2FW03DB-16"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2FW03017S Snubber	2FW03DB-16"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2FW04015S Snubber	2FW03DC-16"	I2R-14		VT-3	NRI
F-A	F01.20	2FW05021S Snubber	2FW03DD-16"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2FW06005S Snubber	2FW87CA-6"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2FW07006S Snubber	2FW87CB-6"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 4 of 9)

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	2MS01079S Snubber, integrally attached to pipe	2MS07AA-28"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2MS01101AS Snubber, integrally attached to pipe	2MS07AC-28"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2MS01101BS Snubber, integrally attached to pipe	2MS07AC-28"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 5 of 9)

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	2CV09068S Snubber	2RC14AC-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	2CV15015S Snubber	2RC14AB-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	2CV25034S Snubber	2RC14AD-2"	I2R-14		VT-3	NRI
F-A	F01.40	2RC01BA-A Snubber	S.G. A	I2R-14		VT-3	NRI
F-A	F01.40	2RC01BA-B Snubber	S.G. A	I2R-14		VT-3	NRI
F-A	F01.40	2RC01BB-A Snubber	S.G B	I2R-14		VT-3	NRI
F-A	F01.40	2RC01BB-B Snubber	S.G B	I2R-14		VT-3	NRI
F-A	F01.40	2RC01BC-A Snubber	S.G C	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.40	2RC01BC-B Snubber	S.G C	I2R-14		VT-3	NRI
F-A	F01.40	2RC01BD-A Snubber	S.G D	I2R-14		VT-3	NRI
F-A	F01.40	2RC01BD-B Snubber	S.G D	I2R-14		VT-3	NRI
F-A	F01.10	2RC02006AS Snubber	2RC21AB-8"	I2R-14		VT-3 Functional Functional VT-3	IND. NRI NRI NRI
Snubber was identified to have boric acid on it during initial inspection (reference Issue Report Number 544831). The existing snubber (Serial Number 1377) was removed and fuctionally tested, and met all acceptance criteria. The existing snubber was replaced by a tested spare snubber (Serial Number 9812) as part of the service life monitoring (SLM) program.							
F-A	F01.10	2RC02006BS Snubber	2RC21AB-8"	I2R-14		VT-3 Functional Functional VT-3	IND. NRI NRI NRI
Snubber was identified to have boric acid on it during initial inspection (reference Issue Report Number 544831). The existing snubber (Serial Number 27112) was removed and fuctionally tested, and met all acceptance criteria. The existing snubber was replaced by a tested spare snubber (Serial Number 2464) as part of the service life monitoring (SLM) program.							
F-A	F01.10	2RC02007S Snubber	2RC21AB-8"	I2R-14		VT-3	NRI
F-A	F01.10	2RC17052S Snubber	2RC22AB-1.5"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 6 of 9)

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	2RC17058S Snubber	2RC22AB-1.5"	I2R-14		VT-3 Functional Functional VT-3	NRI IO N/A NRI
The existing snubber (Serial Number 7131) met all functional test acceptance criteria but exhibited marginal values during the drag test in both the tension and compression directions (reference Issue Report Number 545727) and was replaced by functionally tested spare snubber (Serial Number 14797) under the service life monitoring program.							

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 7 of 9)

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	2RH02007S Snubber	2RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	2RH02054S Snubber	2RH01AA-12"	I2R-14		VT-3	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 8 of 9)

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	2RY06020S Snubber	2RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	2RY09077S Snubber	2RY02B-3"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 9 of 9)

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	2RH02023S Snubber	2SI04D-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	2RH02066S Snubber	2SIA4B-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	2RH02081S Snubber	2SI04D-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2SI01023S Snubber	2SI05CA-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	2SI03009S Snubber	2SI05DD-6"	I2R-14		VT-3	NRI
F-A	F01.20	2SI06366S Snubber	2SI06BB-24"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	2SI18049S Snubber	2SI02BA-6"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3.1 Snubber Preservice Inspection Listing

(Page 1 of 1)

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	2RC02006AS Snubber	2RC21AB-8"	I2R-14		Functional VT-3	NRI NRI
Baseline functional and VT-3 examinations due to replacement of existing snubber (Serial Number 1377), reference Issue Report 544831. New snubber Serial Number 9812.							
F-A	F01.10	2RC02006BS Snubber	2RC21AB-8"	I2R-14		Functional VT-3	NRI NRI
Baseline functional and VT-3 examinations due to replacement of existing snubber (Serial Number 27112), reference Issue Report 544831. New snubber Serial Number 2464.							
F-A	F01.10	2RC17058S Snubber	2RC22AB-1.5"	I2R-14		Functional VT-3	NRI NRI
Baseline functional and VT-3 examinations. Existing snubber (Serial Number 7131) exhibited marginal results during functional test and was replaced by Serial Number 14797. Reference Issue Report 545727.							

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing

(Page 1 of 2)

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
C-H	C07.40	A02SI-000005-M04-02H	I2R-05	NOTE17	VT-2	NRI
	C07.80	10 Year Interval ASME Section XI Pressure Test. See 2BwVSR TRM 3.4.F.2-SI-2 for on-line testing.	I2R-12 I2R-13			
Portion of test block (Lines 2RH01AA-12" and 2RH01AB-12") were completed in A2R13. The remainder of the test block is scheduled in A2R13.						

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing

(Page 2 of 2)

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	A02ZZ-000005-M04-01A	I2R-05	NOTE13	VT-2	NRI
	B15.20	Periodic (each refueling outage) ASME Section XI Pressure Test (PMID 55141)/Generic Letter 88-05 (PMID 96032-17).	I2R-12			
	B15.30		I2R-13			
	B15.50		I2R-30			
	B15.60/70		I2R-39			
Examination completed during ascending Mode 3 walkdown under WO# 818435-01. No recordable indications noted.						
B-P	B15.11	A02ZZ-000005-M04-02A	I2R-05	NOTE13	VT-2	NRI
	B15.21	10 Year Interval ASME Section XI Pressure Test.	I2R-12	NOTE14		
	B15.31		I2R-13	NOTE17		
	B15.51		I2R-30			
	B15.61/71		I2R-31			
Portion of test block was examined in A2R12. The remainder of the test block will be completed in A2R13.						
C-H	C07.10	A02ZZ-000078-M04-03A	I2R-05	NOTE13	VT-2	NRI
	C07.30	40 Month Period ASME Section XI Pressure Test. All Code Class 2 components inside containment. VT-2 Visual Inspection of components outside Missle Barrier may be performed during Mode 1/3 if conditions permit. Valve in EX and LTD HX'ers when perform.	I2R-12			
	C07.70		I2R-13			
Examination completed during ascending Mode 3 walkdown under WO# 818436-01. No recordable indications noted.						

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

(Page 1 of 3)

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	2CV-03-B1 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	2CV-21 F-3-2 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13		VT-1	IO
					VT-1	NRI
Reference Issue Report 543851 for description of indication and associated corrective actions. Repair and Re-Examine A2R13.						
B-P	B15.50	PG-2546C-214 F-2-2 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-220 F-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-241 F-1-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-262 F-1-3 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-262 F-2-2 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-263 F-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-270 F-1-2 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-270 F-2-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
B-P	B15.50	PG-2546C-271 F-2-3 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-283 F-1 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13		VT-1	IO
					VT-2	NRI
Reference Issue Report 547136 for description of indication and associated corrective actions. Re-Examine A2R13. Component Repaired under W/O 968338 during A2R12.						
C-H	C07.30	PG-2546C-285 F-1-3 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-285 F-2-2 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-289 F-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-290 F-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
B-P	B15.50	PG-2546C-301 F-2-2 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
C-H	C07.30	PG-2546C-311 F-1-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

(Page 2 of 3)

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
B-P	B15.20 B15.21	2PZR-01-B1 (B-P) MANWAY BOLTING (16 TOTAL)	I2R-12 I2R-13		VT-2	NRI
B-P	B15.50 B15.51	2RC-20-B1 (B-P) FLANGED CONNECTION (4 STUDS)	I2R-12 I2R-13		VT-2	NRI
B-P	B15.50 B15.51	2RC-32-B4 (B-P) FLANGED CONNECTION (12 STUDS)	I2R-13 I2R-30		VT-2	NRI
B-P	B15.50 B15.51	2RC-32-B5 (B-P) FLANGED CONNECTION (12 STUDS)	I2R-13 I2R-30		VT-2	NRI
B-P	B15.50 B15.51	2RC-32-B6 (B-P) FLANGED CONNECTION (12 STUDS)	I2R-13 I2R-30		VT-2	NRI
B-P	B15.10 B15.11	2RV-03-STUDS (01 TO 54, B-P) CLOSURE HEAD STUDS (54 TOTAL)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-01-B1 (B-P) 9A PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-01-B2 (B-P) 9B PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-02-B1 (B-P) 9A PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-02-B2 (B-P) 9B PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-03-B1 (B-P) 9A PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-03-B2 (B-P) 9B PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-04-B1 (B-P) 9A PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI
B-P	B15.30 B15.31	2SG-04-B2 (B-P) 9B PRIMARY MANWAY (16 BOLTS)	I2R-13		VT-2	NRI

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

(Page 3 of 3)

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	2RH01MA (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
C-H	C07.30	2RH-09 F-1 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	NRI
					VT-2	NRI
Reference Issue Report 566383 for description of indication. Condition evaluated as acceptable as is. Re-Examine A2R13.						
C-H	C07.30	2RH-09 F-2 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	NRI
					VT-2	NRI
Reference Issue Report 548517 for description of indication and associated corrective actions. Re-Examine A2R13.						
C-H	C07.30	2RH-10 F-2-2 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (24 STUDS)	I2R-13		VT-1	NRI
					VT-2	NRI
Reference Issue Report 548517 for description of indication and associated corrective actions. Re-Examine A2R13. Component Repaired during A2R12.						
C-H	C07.30	2RH-10 F-3-2 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (24 STUDS)	I2R-13			
C-H	C07.30	2RH-10 F-4 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
C-H	C07.30	2RH-11 F-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
C-H	C07.30	2RH-12 F-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
C-H	C07.30	2RH-12 F-2-1 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13		VT-1	IO
					VT-2	NRI
Reference Issue Report 548017 for description of indication and associated corrective actions. Repair and Re-Examine A2R13.						
C-H	C07.30	2RH-12 F-3-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
C-H	C07.30	2RH-12 F-4-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
C-H	C07.30	2RH-12 F-5 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
C-H	C07.30	2RH-13 F-1 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	NRI
					VT-2	NRI
Reference Issue Report 566370 for description of indication and associated corrective actions. Re-Examine A2R13.						
C-H	C07.30	2RH-13 F-2 (C-H)	I2R-12		VT-2	IND.
	C07.40	FLANGED CONNECTION (20 STUDS)	I2R-13		VT-1	NRI
					VT-2	NRI
Reference Issue Report 567504 for description of indication and associated corrective actions. Re-Examine A2R13.						
C-H	C07.30	2RH-13 F-3-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			

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 inservice examination of Class 1 and Class 2 pressure retaining components.

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

1. Owner Exelon Generation Company (EGC, LLC), 200 Exelon Way, Kennett Square, PA, 19348
(Name and Address of Owner)

2. Plant Braidwood Station, 35100 South Route 53, Suite 84, Braceville, Illinois 60450
(Name and Address of Owner)

3. Plant Unit 2 4. Owner Certificate of Authorization (if required) Not Applicable

5. Commercial Service Date 10/17/1988 6. National Board Number for Unit N-197

7. Components Inspected See Section 3 of this report for all components (report is a total of 100 pages).

Component or Appurtenance	Manufacturer Or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel 2RC01R	Babcock & Wilcox	640-0016-51	B-24370	N-197
Pressurizer 2PZR-01	Westinghouse	2121	U-199347	W22170
Steam Generator 2SG-01-SGB-01	Westinghouse	CDGT-2111	Not Applicable	20
Steam Generator 2SG-02-SGB-01	Westinghouse	CDGT-2112	Not Applicable	21
Steam Generator 2SG-03-SGB-01	Westinghouse	CDGT-2113	Not Applicable	22
Steam Generator 2SG-04-SGB-01	Westinghouse	CDGT-2114	Not Applicable	23
Heat Exchanger 2RH02AA	Joseph Oat Corporation	2267-1H	U-199322	841
Heat Exchanger 2RH02AB	Joseph Oat Corporation	2267-1H	U-199325	843

See Sections 3.1 through 3.4.2 of report for specific Class 1 and 2 component locations examined.

FORM NIS-1 (Back)

8. Examination Dates: May 6, 2005 to January 10, 2007

9. Inspection Period Identification: 3rd Period - From July 29, 2005 through July 28, 2008

10. Inspection Interval Identification: 2nd Interval - From July 29, 1998 through July 28, 2008

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

12. Date/Revision of Inspection Plan: April 13, 2006 / Revision 9a

13. Abstract of Examination and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Attached Sections 2 and 3.

14. Abstract of Results of Examinations and Tests. See Attached Sections 2 and 3.

15. Abstract of Corrective Measures. See Attached Sections 2 and 3.

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

Certificate of Authorization No. (if applicable) Not Applicable Expiration Date Not Applicable

Date 1/25 20 07 Signed Exelon Nuclear Braidwood Station

By _____ Braidwood Station Engineering Programs Manager
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 Illinois and employed by Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 5/6/05 to 1/10/07 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 and 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.

_____ Commissions NB#8756 IL#1085 N I C
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/25 20 07

5.0 REPORT OF CONTAINMENT DEGRADATION

The NRC amended 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 limitations. The following sections are included in the Inservice Inspection Summary report as 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). The completed surveillances for IWL and IWE contain all the examination details along with indications recorded and their associated evaluations required by ASME Section XI.

5.1 A2R12 Containment Concrete Examinations (IWL)

Unit 1 and Unit 2 IWL tendon and concrete examinations under the 20th year post tensioning surveillance began in March of 2006, and were completed in September of 2006 (prior to the A2R12 refuel outage). Unit 2 IWL tendon and concrete reportable conditions [10 CFR 50.55a(b)(2)(viii)(D) and 10 CFR 50.55a(b)(2)(viii)(E)] are provided below for the A2R12 IWA-6000 report as required. Reporting specified in 10CFR 50.55a(b)(2)(viii)(A)-(E) for the Unit 1 IWL examination will be provided in the next Unit 1 IWA-6000 report (A1R13, Fall 2007).

The presence of free water and grease leakage observed during the general visual examination were the only 10 CFR 50.55a(b)(2)(viii)(D) reportable conditions identified during the Unit 2 examinations.

One tendon (Dome Tendon H02-BA) was discovered to have 196 free ounces of water (17 percent moisture by weight) collected from the shop end of the tendon and is being reported as required by 10 CFR 50.55a(b)(2)(viii)(D)(*1*) for sampled sheathing filler grease containing chemically combined water exceeding 10 percent by weight or the presence of free water. There was no evidence of degradation identified during visual examination. Sheathing filler grease samples and free water samples were taken and analyzed in accordance with IWL-2525, and all acceptance standards were met. New grease was added. No other tendons exceeding the 10 percent criteria were identified.

One area of grease leakage was identified during the general visual of the containment surfaces (reference Issue Report 521574) and is being reported as required by 10 CFR 50.55a(b)(2)(viii)(D)(*3*). The location of the indication is outdoors, on the southwest face of the structure above the 2A/2D MSIV Room near the "E" buttress. A film (approximately 15" high by 10" wide) of tendon grease exists. The indication was detected with binoculars and was not noted during the previous examination performed in 2001. This indication was evaluated by the site Registered Professional Engineer (RPE), who concluded the leakage has a negligible impact on the structural integrity of the containment. A follow-up examination (Action Tracking Item 521574-02) has been scheduled for August 2007.

5.2 A2R12 Metal Containment and Concrete Liner Examinations (IWE)

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 performed during A2R12. This was the second scheduled IWE augmented examination of the Unit 2 containment liner. Exelon Procedure ER-AA-330-007, *"Visual Examination of ASME Section XI Class MC Surfaces and Class CC Liners"* was used to perform this augmented examination. Exam Data Form Attachment 4 from Exelon Procedure ER-AA-335-018, *"Detailed, General Visual, VT-1, VT-1C, VT-3 and VT-3C, Visual Examination of ASME Class MC and CC Containment Surfaces and Components"* was generated to characterize the extent of indications on the Class CC liner as a result of VT-1 examination. The Unit 2 Class MC metal containment and concrete liner reportable conditions as required by 10CFR 50.55a(b)(2)(ix)(A)-(E). During A2R12, only 10CFR 50.55a(b)(2)(ix)(A)*(1)* through *(3)* conditions were applicable.

Description of the Type and Estimated Extent of Degradation [10CFR 50.55a(b)(2)(ix)(A)*(1)*]

During the IWE VT-1 examination, approximately eighty-four augmented areas (most in the vicinity of the moisture barrier at Elevation 377'-0") were examined. When compared to the previous examination results (A2R10, November 2003), eighty-three of these areas had insignificant changes in metal reduction depth and surface area.

The remaining augmented area had an increase in the surface area, but no associated increase in pit depth. This area was found to be partially coated and dry with no active corrosion taking place. This identified augmented area will be examined again over the next three inspection periods in accordance with the requirements of Table IWE-2500-1, Note 2.

During the previous examination in A2R10, the maximum metal reduction found was 5/64 inches deep at multiple locations. None of the areas examined during A2R12 exceeded the maximum pit depth of 5/64 inches found during A2R10.

Eighty-four augmented areas were ultrasonically examined. The IWE-3512-3 ultrasonic examination criteria (no indications exceeding 10% nominal containment wall thickness) was met at all augmented areas. The liner thickness readings varied from 0.241" to 0.300" (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 moisture barrier (MB) and Cerablanket were removed in A2R12) do not indicate the presence of, or result in degradation to inaccessible areas that are located below the accessible areas. All removal areas were found to be dry, no active corrosion was found. It should be noted that during A2R08 (October 2000), seven areas below existing liner indications were selected for the removal of the top 6 to 9 inches of Styrofoam. The liner area exposed by the removed Styrofoam was examined and no indication of degradation was found.

There were five augmented areas also VT-1 examined in areas other than the moisture barrier areas that insignificant changes in metal reduction depth and surface area. The liner thickness varied from 0.250" to 0.278". No further evaluation is required for the VT-1 exam and ultrasonic results.

Conditions Leading to Degradation [10CFR 50.55a(b)(2)(ix)(A)*(1)*]

The degradation to the liner in vicinity of moisture barrier was a result of moisture barrier degradation. This was determined during A2R08 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 in A2R08 outage to be 6/64 of an inch, which is 37% of the liners nominal thickness of 1/4 inch.

It is apparent that the original corrective actions performed during A2R08 have corrected the problem and have prevented any further liner metal reduction. The areas examined in A2R12 were dry and there was no active corrosion found beneath the removed moisture barrier. The corrective actions that took place during A2R08 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.

Evaluation of Areas and Evaluation Results [10CFR 50.55a(b)(2)(ix)(A)*(2)*]

Calculation 5.2.6-BRW-98-1090 and Calculation BYR 98-004 have 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 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 inch 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.

Corrective Actions from A2R12 Inspections [10CFR 50.55a(b)(2)(ix)(A)(3)]

There were no corrective actions resulting from the A2R12 inspection scope. Based on prior examination results, the exposed liner area directly below the MB approximately 4 inches 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. New dry Cerablanket material was installed below the MB. The MB was restored. Portions of the Class CC liner below the MB will remain categorized and examined as Category E-C in the Braidwood Unit 2 IWE Program Plan.

Inaccessible Surface Areas

The entire moisture barrier was removed during A2R08. This A2R12 exam was the second augmented exam of areas found exceeding 10% metal reduction during A2R08 and A2R10. 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 active liner corrosion taking place. The metal reduction in these areas does not exceed the acceptance criteria of maximum 1/8 inch reduction. Since the examination areas were dry, the maximum metal reduction was not exceeded, and no active corrosion is taking place there are no indications of degradation in any other inaccessible areas. Also, an examination was performed on the entire moisture barrier and there were no defects identified.

Additional Examinations

100% of the areas in Category E-C were scheduled and examined in A2R12; therefore no additional exams are required. The augmented liner areas up to 4 inches below the moisture barrier had moisture barrier intact and the removed Cerablanket was dry. The liner was also dry and there was no evidence active liner corrosion taking place.

The augmented areas with no change in A2R10 and A2R12 shall be re-examined over the next period. The augmented areas that have some change or are newly documented in A2R10 will be re-examined over the next two periods. The one area that had surface area increase in A2R12 will be re-examined in each of the subsequent inspection periods until the area examined remains 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
Auxiliary Feedwater (AF)	-	2
Component Cooling (CC)	-	1
Containment Spray (CS)	-	5
Chemical & Volume Control (CV)	1*	6
Main Steam (MS)	-	2
Reactor Coolant (RC)	6	-
Residual Heat Removal (RH)	-	1
Reactor Pressurizer (RY)	4	-
Safety Injection (SI)	1	9

* Boundary valve between Class 1 and 2.

	Code Class MC	Code Class CC
Primary Containment (PC)	1	-

Total NIS-2 Forms	**39**
Total Pages	**39**

Associated NIS-2 Forms are attached.

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

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

   Date 11/8/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #99271722-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Auxiliary Feed Water (AF) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 (Piping)/ Winter 1975 (Valve) Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
4" 900# Class Check Valve	Anderson, Greenwood & Co.	Valve Serial Number A1361	Not Applicable	2AF014C	Not Recorded	Replaced	Yes
4" 900# Class Check Valve	Anderson Greenwood Crosby	N99710-00-0011	Not Applicable	Cat ID 1400910-1 UTC 2742848	2006	Replacement	Yes

7. Description of Work: Replaced existing hinge pin bushings and hex nuts during valve maintenance.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 1080 psig Test Temp. 77 °F

9. Remarks: VT-2 exam performed and accepted on 10/31/2006. Applicable Manufacturer's Data Report (Form NPV-1) was attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 11/8, 2006

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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/15/2006 to 11/8/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 11-9-, 2006

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

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

   Date 1/2/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #99271727-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Auxiliary Feed Water (AF) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Winter 1975 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
4" 900# Class Check Valve	Not Recorded	Valve Serial Number N25812	Not Applicable	2AF014G	Not Recorded	Replaced	Yes
4" 900# Class Check Valve	Anderson Greenwood Crosby	N99710-00-0010	Not Applicable	Cat ID 1400910-1 UTC 2741812	2006	Replacement	Yes

7. Description of Work: Replaced existing check valve during preventative maintenance surveillance.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 1080 psig Test Temp. 77 °F

9. Remarks: VT-2 exam performed and accepted on 10/31/2006. Applicable Manufacturer's Data Report (Form NPV-1) was attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/2, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/15/2006 to 1/2/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/3, 2007

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

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

   Date 1/8/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00807979-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: ~~Chemical and Volume Control (CV)~~ Component Cooling (CC) (Class 2 System)
   Bgc 1/19/2007

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
   (c) Section XI code Cases used: N-508-2

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)
Relief Valve 2CC9428A	Crosby	Not Recorded	Not Applicable	2CC9428A	Unknown	Replaced	Yes
Crosby Relief Valve (3" diameter inlet)	Crosby	N57027-00-0003	Not Applicable	Cat ID 27072-1 UTC 2619683	Not Recorded	Replacement	Yes

7. Description of Work: Replaced existing relief valve with a tested spare relief valve under preventative maintenance surveillance.

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

   Other ☒ Pressure 139 psig Test Temp. 78 °F

9. Remarks: VT-2 was performed on 10/31/2006. No evidence of leakage was noted. The replacement relief valve is in accordance with the requirements of Code Case N-508-2 (same design/construction as original relief; no evidence of failure noted on removed relief valve; relief valves are installed/removed by mechanical means (bolted connections); installed relief was previously in service; relief valves are tracked through use of UTC codes for each valve). Use of NIS-2 is not required, but NIS-2 was used to document this activity was performed in accordance with Code Case N-508-2 which was adopted in Revision 9 of the Braidwood Station Second Interval Inservice Inspection Plan.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/8, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 3/24/2006 to 1/8/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/8, 2007

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

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

Date 10/25/2005
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00724893-01
Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None
Authorization No.: None
Expiration Date: None

4. Identification of System: Containment Spray (CS) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Winter 1975 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
2CS002B valve body-to-bonnet bolting	Not Recorded	Not Recorded	N/A	2CS002B	Not Recorded	Replaced	No
Bolting Material 7/8" X 9	Nova Machine Products Corporation/ AUGE Industrial Fasteners	Heat 233162 Lot 50051696 Code S963	N/A	Cat ID 37096-1 UTC 2720696	2004	Replacement	No
Heavy Hex Nuts 7/8" X 9	Nova Machine Products Corporation	Heat 8994826 Lot 50014024 Trace QJR AB	N/A	Cat ID 37033-1 UTC 2697213	2004	Replacement	No

7. Description of Work: The existing valve body-to-bonnet bolting was removed for examination due to previously identified leakage. Minor reduction in material was identified during VT-1 examination, which was within Section XI VT-1 acceptance criteria. Existing material was proactively replaced.

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

Other ☒ Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: Section XI pressure testing not applicable to this activity. Post maintenance leak check by Operations to be performed after return to service. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 10/26, 2005
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 IL. and employed by HSB CT of CT have inspected the components described in this Owner's Report during the period 2-1-05 to 10-26-05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

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

Date 10-26-, 2005

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

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

   Date 12/13/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #860267-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Containment Spray (CS) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 (Support), No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Support 2CS03067X Grinnell Figure 211N Size "B" Strut	Grinnell	Not Recorded	Not Applicable	2CS03067X	Not Recorded	Replaced	No
#B FIG211, N Sway Strut Assembly	Anvil International	2006-166	Not Applicable	Cat ID 1415800-1 UTC 2749577	2006	Replacement	No

7. Description of Work: Replaced existing rigid strut that was bent with a new strut. The existing pipe clamp remained installed.

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

   Other ☐ Pressure N/A psig Test Temp. N/A °F

9. Remarks: VT-3 exam was performed and accepted on 12/12/2006. Applicable Manufacturer's Data Report (Form NF-1) was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/13, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/7/2006 to 12/13/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 12-13-, 20 06

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

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

   Date 12/14/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #916682-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Containment Spray (CS) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Hinge Pin Bushings for Check Valve 2CS003B	TRW Mission (Valve)	Not Recorded	Not Applicable	2CS003B	Not Recorded	Replaced	No
Hinge Pin Bushings (1/2" NPT, Square Head Pipe Plugs)	Atwood & Morrill Co., Inc / Ronson Manufacturing, Inc.	Heat G2261 Trace CL48	Not Applicable	Cat 29452-1 UTC 2055354 RIN A99-00612	1998	Replacement	No

7. Description of Work: Replaced hinge pin bushings (pressure retaining) along with hinge pins and spring during PM surveillance of dual plate check valve.

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

   Other ☐ Pressure 279 psig Test Temp. Ambient °F

9. Remarks: VT-2 examination was performed and accepted on 12/13/2006. Applicable material certification was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/14, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/6/2006 to 12/14/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 12-14-, 20 06

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

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

   Date 12/14/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #958473-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Containment Spray (CS) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: None

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve 2CS021B body-to-bonnet bolting	Unknown	Not Recorded	Not Applicable	2CS021B	Not Recorded	Replaced	No
5/8"-11 threaded rod	NOVA Machine Products/ Charter Steel	Heat 216850 Lot 50073729 Trace 649A	Not Applicable	Cat 9530-1 UTC 2740184	2006	Replacement	No
5/8"-11 heavy hex nuts	NOVA Machine Products/ Cuyahoga Steel & Wire LLC	Heat 7220464 Lot 50002892 Trace M192	Not Applicable	Cat ID 37029-1 UTC 2689561	2004	Replacement	No

7. Description of Work: Replaced existing body-to-bonnet bolting with new material due to incorrect bolted connection being identified in work package. There was no degradation associated with the replaced material.

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

   Other ☐ Pressure N/A psig Test Temp. N/A °F

9. Remarks: Standard leak check was performed and accepted on 12/13/2006. Applicable material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/14, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/6/2006 to 12/14/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 12-15, 20 06

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

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

Date 1/3/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00538260-01
Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None
Authorization No.: None
Expiration Date: None

4. Identification of System: Containment Spray (CS) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Winter 1974 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: Not applicable.

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)
2CS01PA Pump Mechanical Seal Assembly (including Gland Plate)	Ingersoll Rand	23139-2	Unknown	2CS01PA	Unknown	Replaced	Yes
Mechanical Seal (Including Gland Plate)	Flowserve (Seal) Coulter Steel (Gland Plate)	Seal 139254-1A Serial Number 3 Gland Plate Heat 516958	1145	Cat ID 47412-1 UTC 2043112	1999	Replacement	Yes

7. Description of Work: Excessive leakage was noted at pump seal upon return to service (reference IR 504769). Upon second disassembly, pump shaft sleeve was discovered to be galled onto pump shaft (reference IR 505357). A new pump seal (including gland plate) was obtained from Byron Station and installed.

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

Other ☒ Pressure 45.5 / 268 psig Test Temp. Ambient °F

9. Remarks: VT-2 examination performed on 6/30/2006, no evidence of leakage noted. Applicable documentation for replacement pump seal (Form N-2) was attached at final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/12, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/13/2006 to 1/3/2007, 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. [illegible] Commissions IL1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/16, 2007

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

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

   Date 1/2/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00644111-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 1 / 2 Boundary Valve)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
3" Copes Vulcan Globe Valve Disc	Copes Vulcan	Not Recorded	Not Applicable	2CV459	Not Recorded	Replaced	Yes
3" Copes Vulcan Globe Valve Trim Set (includes stem, disc, and pin)	SPX Valves & Controls	0621-125051-1-2	Not Applicable	Cat ID 35955-1 UTC 2743601	2006	Replacement	Yes

7. Description of Work: Replaced existing valve trim set (includes stem, plug, and cage) during corrective maintenance on valve.

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

   Other ☐ Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: Section XI pressure testing not required. A leak check at nominal operating pressure was performed during the ascending Mode 3 walk down. Applicable Manufacturer's Data Report (Form N-2) was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/2, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/11/2006 to 1/2/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/3, 2007

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

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

   Date 11/20/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00807983-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Relief Valve 2CV8123	Crosby	N56900-00-0032	Not Applicable	2CV8123 UTC 2619684	1976	Replaced	Yes
Crosby Relief Valve (2" diameter inlet)	Crosby	N56900-00-0038	Not Applicable	Cat ID 27260-1 UTC 2746404	1976	Replacement	Yes

7. Description of Work: Replaced existing relief valve with a tested spare relief valve under preventative maintenance surveillance.

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

   Other ☒ Pressure 27/ 369 psig Test Temp. 89 °F

9. Remarks: VT-2 was performed on 11/1/2006, no evidence of leakage was noted. Applicable documentation for replacement relief valve was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 11/20, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/10/2006 to 11/20/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 11-20-, 2006

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

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

   Date 1/2/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00942318-08
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
3" Copes Vulcan Globe Valve Disc	Copes Vulcan	Not Recorded	Not Applicable	2CV8149B	Not Recorded	Replaced	Yes
3" Copes Vulcan Globe Valve Trim Set (includes stem, disc, and pin)	SPX Valves & Controls	0621-128639-2-1	Not Applicable	Cat ID 35955-1 UTC 2746807	2006	Replacement	Yes

7. Description of Work: Replaced existing valve trim set (includes stem, plug, and cage) during corrective maintenance on valve.

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

   Other ☐ Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: Section XI pressure testing not required. A leak check at nominal operating pressure was performed during the ascending Mode 3 walk down. Applicable Manufacturer's Data Report (Form N-2) was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/2, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/4/2006 to 1/2/2007, 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. [illegible] Commissions IL1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/3, 2007

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

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

   Date 1/2/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 02
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #808063-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: None

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve trim kit (consists of plug, stem and cage)	Copes Vulcan	Not Recorded	Not Applicable	Valve 2CV8160	Unknown	Replaced	Yes
Valve trim kit (consists of plug, stem and cage)	Copes Vulcan, Inc.	9121-96727-1	Not Applicable	Cat ID 34412-1 UTC 2750130	1991	Replacement	Yes

7. Description of Work: Replaced existing valve trim kit with new trim kit during valve maintenance. Minor pitting was noted on existing disc seating surfaces.

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

   Other ☒ Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: VT-2 examination not required. Valve was examined during ascending Mode 3 walk down on 10/31/2006, no evidence of leakage was noted. Applicable documentation (Form N-2) was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/2, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2006 to 1/2/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/3, 2007

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

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

   Date 1/4/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00748722-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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)
ER 316/316L Weld Rod (3/32" Diameter) for Body-to-Bonnet Seal Weld for Valve 2CV8368C	Arcos Alloys	Lot CF8137	N/A	Cat ID 8500-1 UTC 2702651	2004	Replacement	No

7. Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspection. Seal weld was examined by liquid penetrant in the finished condition.

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

   Other ☒ Pressure Not Available* psig Test Temp. Not Available* °F

9. Remarks: No leakage observed during VT-2 examination performed during ascending Mode 3 walk down on 10/31/2006 (valve is included in Test Boundary A02ZZ-000078-M04-03A). (*)Pressure/Temperature readings are not available (no local or remote instruments), system was verified to be in normal line up. Applicable material certifications for filler metal were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/4, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/11/2006 to 1/4/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/4, 2007

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

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

   Date 1/5/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00930883-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Relief Valve 2CV8119	Crosby	N56901-02-0035	Not Applicable	2CV8123	Not Recorded	Replaced	Yes
Crosby Relief Valve (2" diameter inlet)	Anderson Greenwood Crosby	N56901-04-0037 (N56901-02-0037 prior to modification)	Not Applicable	Cat ID 1417018-1* UTC 2749116	2006	Replacement	Yes

7. Description of Work: Existing relief valve was replaced with a tested new relief valve. (*)The replacement relief valve was originally coded as Cat ID 43644-1 (UTC 2747746) which had a set point of 230 psig. Under Evaluation 53275, the set point of this valve 2CV8119 was increased to 255 psig, requiring the assignment of a new Cat ID. The existing relief valve was sent to Tyco Valves & Controls under Purchase Order 386 Release 11828 Revision 2 to modify the valve (increasing the set pressure required replacement of existing spring and spring washers).

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

   Other ☒ Pressure 27 / 369 psig Test Temp. 89 °F

9. Remarks: VT-2 was performed on 11/1/2006, no evidence of leakage was noted. Applicable documentation for replacement relief valve was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/5, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/25/2006 to 1/5/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/5/, 2007

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

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

   Date 1/9/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order # 740752-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Relief Valve 2CV8117	Crosby	N56903-00-0008	Not Recorded	2CV8117	Not Recorded	Replaced	Yes
Crosby Relief Valve (2" diameter inlet)	Anderson Greenwood Crosby	N56903-00-0036	Not Applicable	Cat ID 27689-1 UTC 2670114	2003	Replacement	Yes

7. Description of Work: Existing relief valve was replaced to support IST surveillance testing. Existing valve was replaced with a tested spare relief valve.

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

   Other ☒ Pressure Not Available* psig Test Temp. Not Available* °F

9. Remarks: VT-2 performed on 10/31/2006 during ascending Mode 3 walk down (Test Block A02ZZ-000078-M04-03A, WO# 818436-01). *There are no local or remote pressure or temperature indication instruments specific to this component. The system was verified to be in normal line up prior to performing VT-2. Applicable documentation for replacement relief valve (Form NV-1) was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/9, 20 07
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 1/30/2006 to 1/9/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/9/, 2007

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

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

   Date 11/8/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00966192-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Main Steam (MS) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
6" Safety Relief Valve Main Disc	Dresser	Not Recorded	Not Applicable	Valve 2MS014B (Serial Number BR09655)	Unknown	Replaced	Yes (Valve)
6" Safety Relief Valve Main Disc	Dresser	ADE81	Not Applicable	Cat ID 16492-1 UTC 2606857	2001	Replacement	No

7. Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00416009. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE81) provided by Exelon. Valve was reinstalled back to same position.

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

   Other ☐ Pressure 1083 psig Test Temp. 559 °F

9. Remarks: Section XI pressure testing not required, but valves were examined by VT-2 on 11/1/2006. No leakage was observed during VT-2 examination. Applicable documentation for replacement disc (N-2 Certificate) was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 11/8, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/14/2006 to 11/8/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 11-9-, 2006

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

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

   Date 11/8/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00966193-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Main Steam (MS) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
6" Safety Relief Valve Main Disc	Dresser	Not Recorded	Not Applicable	Valve 2MS014C (Serial Number BR09656)	Unknown	Replaced	Yes (Valve)
6" Safety Relief Valve Main Disc	Dresser	ADE85	Not Applicable	Cat ID 16492-1 UTC 2606859	2001	Replacement	No

7. Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00416009. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE85) provided by Exelon. Valve was reinstalled back to same position.

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

   Other ☐ Pressure 1083 psig Test Temp. 559 °F

9. Remarks: Section XI pressure testing not required, but valves were examined by VT-2 on 11/1/2006. No leakage was observed during VT-2 examination. Applicable documentation for replacement disc (N-2 Certificate) was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 11/8, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/14/2006 to 11/8/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 11-9-, 2006

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

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

   Date 1/9/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00967912-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Primary Containment (PC) (Class MC System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1973 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1992 Edition with 1992 Addenda
(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)
Unit 2 Primary Containment Equipment Hatch Inner Door Port Hole Cap Screws	Unknown	Not Recorded	Not Applicable	2PC104M ISI Component Number 2PALID-SGP-BOLTING	N/A	Replaced	No
Socket Head Cap Screws ¼"-20 x 1¼"	Field Fastener Supply, Co.	Not recorded	Not Applicable	Cat ID 35534-2 SI #792E80 UTC 2063175	1990	Replacement	No

7. Description of Work: Two cap screws were discovered missing from porthole/sight glass (reference Issue Report 544394). Only one cap screw was recovered on the floor (VT-1 performed and found acceptable on 10/22/2006). All missing cap screws were replaced with new cap screws. The replacement cap screws are commercial grade cap screws dedicated to safety related.

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

   Other ☐ Pressure Not applicable psig Test Temp. Not applicable °F

9. Remarks: Applicable Manufacturer's Data Reports Attached at the time of final review and are on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey, ISI Coordinator Date 1/9, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/22/2006 to 1/9/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/9/, 2007

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

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

Date 12/15/2006
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00967289-01
Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None
Authorization No.: None
Expiration Date: None

4. Identification of System: Reactor Coolant (RC) Class 1 system

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases: 1644 Revision 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180 and N-108

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda

(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)
PSA-3 Mechanical Snubber 2RC02006S1	ITT Grinnell	S/N 27112	Not Applicable	2RC02006S1	Not Recorded	Replaced	No
PSA-3 Mechanical Snubber 2RC02006S2	ITT Grinnell	S/N 1377	Not Applicable	2RC02006S2	Not Recorded	Replaced	No
PSA-3 Mechanical Snubber 2RC02006S1	ITT Grinnell	S/N 2464	Not Applicable	Cat ID 27863-1 UTC 2635995	Not Recorded	Replacement	No
PSA-3 Mechanical Snubber 2RC02006S2	ITT Grinnell	S/N 9812	Not Applicable	Cat ID 27863-1 UTC 2635989	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubbers (trapeze configuration) that were discovered to be covered with boric acid accumulation (reference Issue Report 544831). Replacement snubbers were functionally tested prior to installation.

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

Other ☒ Pressure Not Applicable psig Test Temp. Not Applicable °F

9. Remarks: VT-3 exam of both snubbers was performed after reinstallation. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/15, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/19/2006 to 12/15/2006, 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 Maleer
Inspector's Signature

Commissions IL1085
National Board, State, Province, and Endorsements

Date 12-18-, 2006

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

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

   Date 12/15/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00967388-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Reactor Coolant (RC) Class 1 system

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases: 1644 Revision 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180 and N-108

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda

(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)
PSA-1/4 Mechanical Snubber 2RC17058S	ITT Grinnell	S/N 7131	Not Applicable	2RC17058S	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber	ITT Grinnell	S/N 14797	Not Applicable	Cat ID 27530-1 UTC 2035422	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that exhibited marginal results during functional test (reference Issue Report 545427). Replacement snubber was functionally tested prior to installation.

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

   Other ☒ Pressure Not Applicable psig Test Temp. Not Applicable °F

9. Remarks: VT-3 exam of snubber was performed after reinstallation. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/15, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/19/2006 to 12/15/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 12-18, 2004

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

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

   Date 1/3/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00818846-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Reactor Services
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Reactor Coolant (RC) (Class 1 System)

5 (a) Applicable Construction Code: ASME Section III 1980 Edition, Winter 1980 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
North Reactor Vessel Level Instrument System (RVLIS) Hub/Flange Blind Hub	Westinghouse	Unknown	Not Applicable	2RC01R-A	Not Recorded	Replaced	No
Replacement Blind Hub	Westinghouse Repair Replacement & Automation Services	Heat E41143 Serial Number 51	Not Applicable	Cat ID 42662-1 UTC 2748029	2006	Replacement	No

7. Description of Work: Existing blind hub was identified as leaking at the threaded vent connection during the previous (A2R11) refuel outage (reference IR 328033) and was seal welded under WO 661535-20. The existing blind hub was replaced with a new assembly in A2R12. The physical installation was performed under WO 835113-02 BwMP 3300-075 work instructions.

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

   Other ☒ Pressure 2234.6 psig Test Temp. 554.2 °F

9. Remarks: VT-2 was performed on 10/31/2006, no evidence of leakage was noted. Applicable documentation for replacement part was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/3, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/12/2006 to 1/3/2007, 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 Marden
Inspector's Signature

Commissions IL1085
National Board, State, Province, and Endorsements

Date 1/4, 2007

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

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

   Date 1/9/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00843279-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Reactor Coolant/Steam Generator (Class 1 Portion of Vessel)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, Code Cases 1355 and 1484-3
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
2B Steam Generator Primary Manway Cover (Cold Leg, Bolt #11)	Unknown	S/N 001	Not Applicable	2RC01BB Cold Leg Bolt #11	Not Recorded	Replaced	No
Primary Manway Hex Head Closure Bolt (1 7/8" X 7 ¾" long)	Westinghouse Electric Corp./ NOVA Machine Products Corp.	Heat Code FPG S/N 004	Not Applicable	Cat ID 32649-1 UTC 2070805 RIN M97-07891	1997	Replacement	No

7. Description of Work: Replacement not due to any material degradation. The existing manway closure bolt was replaced because the bolt head was different than remainder of bolting and did not fit socket wrench. Preservice VT-1 was performed on replacement bolt prior to installation on 10/24/2006.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: Section XI pressure testing is not required. Connection was visually examined for leakage during ascending Mode 3 walkdown on 10/31/2006, no leakage identified. Applicable material documentation was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/9, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/12/2006 to 1/9/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/9, 2007

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

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

   Date 1/9/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00848960-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Reactor Coolant/Steam Generator (Class 1 Portion of Vessel)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, Code Cases 1355 and 1484-3
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
2C Steam Generator Primary Manway Cover (Cold Leg, Bolt #12)	Unknown	Not Recorded	Not Applicable	2RC01BC Cold Leg Bolt #11	Not Recorded	Replaced	No
2C Steam Generator Primary Manway Cover (Hot Leg, Bolt #9)	Unknown	S/N 003	Not Applicable	2RC01BC Hot Leg Bolt #9	Not Recorded	Replaced	No
Primary Manway Hex Head Closure Bolt (Cold Leg Bolt #12) (1 7/8" X 7 ¾" long)	Westinghouse Electric Corp./ NOVA Machine Products Corp.	Heat Code EUP S/N 004	Not Applicable	Cat ID 32649-1 RIN M97-06143	1997	Replacement	No
Primary Manway Hex Head Closure Bolt (Hot Leg, Bolt 9) (1 7/8" X 7 ¾" long)	Westinghouse Electric Corp./ Vitco Nuclear Products, Inc.	Heat 25478 S/N MA-48275-1-001	Not Applicable	Cat ID 32649-1 RIN A93-00512	1992	Replacement	No

7. Description of Work: Replacement not due to any material degradation. The existing manway closure bolts were replaced because the bolt heads were different than remainder of bolting and did not fit socket wrench. A preservice VT-1 was performed on replacement bolts prior to installation on 10/24/2006.

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

   Other ☒ Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: Section XI pressure testing is not required. Both manway connections were visually examined for leakage during ascending Mode 3 walkdown on 10/31/2006, no leakage was observed. Applicable material documentation was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/9, 20 07
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/12/2006 to 1/9/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/9, 20 07

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

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

   Date 1/9/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00843281-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Reactor Coolant/Steam Generator (Class 1 Portion of Vessel)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, Code Cases 1355 and 1484-3
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
2D Steam Generator Primary Manway Cover (Cold Leg, Bolt #2)	Unknown	S/N 030	Not Applicable	2RC01BD Cold Leg Bolt #2	Not Recorded	Replaced	No
Primary Manway Hex Head Closure Bolt (1 7/8" X 7 ¾" long)	Westinghouse Electric Corp./ NOVA Machine Products Corp.	Heat Code FPJ S/N 008	Not Applicable	Cat ID 32649-1 RIN M97-07891	1997	Replacement	No

7. Description of Work: Replacement not due to any material degradation. The existing manway closure bolt was replaced because the bolt head was different than remainder of bolting and did not fit socket wrench. Preservice VT-1 was performed on replacement bolt prior to installation on 10/24/2006.

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

   Other ☒ Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: Section XI pressure testing is not required. Connection was visually examined for leakage during ascending Mode 3 walkdown on 10/31/2006, no leakage identified. Applicable material documentation was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/9, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/12/2006 to 1/9/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/9, 2007

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

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

   Date 12/12/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #942164-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Residual Heat Removal (RH) (Class 2 System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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)
Two 2" X Flat Run Pipe Threadolets	WFI / Bonney Forge	Heat 3146ANB	Not Applicable	Cat ID 1037476-1 UTC 2745023	2006	Replacement (New Installation)	No
Two 2" Pipe Plugs	Bonney Forge	Lot 9250	Not Applicable	Cat ID 1037478-1 UTC 2745025	2006	Replacement (New Installation)	No
3/32" Diameter E7018 Weld Electrode	ESAB	Heat 158726 Lot 2L513C02 Control LLL044	Not Applicable	Cat ID 8491-1 UTC 2736221	2006	Replacement (New Installation)	No

7. Description of Work: Installed two inspection ports in valve 2RH01SB containment in accordance with EC 361752. The inspection ports were installed to allow access to the upper portion of the valve to allow monitoring of the valve for boric acid leakage. The valve containment was originally designed and constructed to ASME Section III Subsection NE (Class MC) rules, but was reclassified as Section III Subsection NC Class 2. The valve containment (and associated inspection ports) is subjected to atmospheric pressure only.

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

   Other ☒ Pressure Ambient psig Test Temp. Ambient °F

9. Remarks: Although the valve containment does not see system pressure, a VT-2 exam was performed at ambient system condition and was accepted on 9/14/2006. Applicable material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/13, 2006

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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 8/17/2006 to 12/12/2006, 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. [illegible] Commissions IL1085

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

Date 12-13-, 2006

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

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

   Date 1/2/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 02
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #816647-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Reactor Coolant Pressurizer (RY) (Class 1 System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: None

6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Valve trim kit (consists of plug, stem and cage)	Copes Vulcan	Not Recorded	Not Applicable	Valve 2RY456	Unknown	Replaced	Yes
Valve trim kit (consists of plug, stem and cage)	SPX Valves & Controls	0321-90544-1-1	Not Applicable	Cat ID 35955-1 UTC 2683044	2003	Replacement	Yes

7. Description of Work: Replaced existing valve trim kit with new trim kit during valve maintenance. Minor pitting was noted on existing disc seating surfaces.

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

   Other ☒ Pressure Not Recorded psig Test Temp. Not Recorded °F

9. Remarks: VT-2 examination not required. Valve was examined during ascending Mode 3 walk down on 10/31/2006, no evidence of leakage was noted. Applicable documentation (Form N-2) was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/2, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 8/7/2006 to 1/2/2007, 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. [illegible] Commissions IL1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 1/31, 2007

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

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

   Date 1/8/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00871400-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Pressurizer (RY) (Class 1 System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Existing 6" Relief Valve 2RY8010A	Crosby	N56964-00-0032	Not Applicable	Cat ID 1400663-1 UTC 2704974	Not Recorded	Replaced	Yes
6" Refurbished Spare Relief Valve	Crosby	N56964-00-0071	Not Applicable	Cat ID 1400663-1 UTC 2720248	Not Recorded	Replacement	Yes

7. Description of Work: Replaced existing relief valve with a spare valve refurbished by NWS Technologies under Purchase Order 413327.

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

   Other ☒ Pressure 2234.6 psig Test Temp. 554.2 °F

9. Remarks: VT-2 examination was performed and accepted on 10/31/2006 (ascending Mode 3 walkdown, Test Block A02ZZ-000005-M04-01A). Applicable documentation for replacement relief valve was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/8, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/11/2006 to 1/8/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/8, 2007

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

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

   Date 1/8/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00825604-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Pressurizer (RY) (Class 1 System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Existing 6" Relief Valve 2RY8010B	Crosby	N56964-00-0053	Not Applicable	Cat ID 1400663-1 UTC 2704972	Not Recorded	Replaced	Yes
6" Refurbished Spare Relief Valve	Crosby	N56964-00-0072	Not Applicable	Cat ID 1400663-1 UTC 2720247	Not Recorded	Replacement	Yes

7. Description of Work: Replaced existing relief valve with a spare valve refurbished by NWS Technologies under Purchase Order 413327.

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

   Other ☒ Pressure 2234.6 psig Test Temp. 554.2 °F

9. Remarks: VT-2 examination was performed and accepted on 10/31/2006 (ascending Mode 3 walkdown, Test Block A02ZZ-000005-M04-01A). Applicable documentation for replacement relief valve was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/8, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/11/2006 to 1/8/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/8/, 2007

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

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

   Date 1/5/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00825603-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Pressurizer (RY) (Class 1 System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Existing 6" Relief Valve ~~and Associated Inlet Flange Bolting~~ BJC 1/5/2007	Crosby	N56964-00-0091	Not Applicable	Cat ID 1400663-1 UTC 2704973	Not Recorded	Replaced	Yes
6" Refurbished Spare Relief Valve	Crosby	N56964-00-0073	Not Applicable	Cat ID 1400663-1 UTC 2704973	Not Recorded	Replacement	Yes

7. Description of Work: Replaced existing relief valve with a spare valve refurbished by NWS Technologies under Purchase Order 413327.

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

   Other ☒ Pressure 2235.8 psig Test Temp. 554.2 °F

9. Remarks: VT-2 examination was performed and accepted on 10/31/2006 (ascending Mode 3 walkdown, Test Block A02ZZ-000005-M04-01A). Applicable documentation for replacement relief valve was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/5, 20 07
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/5/2006 to 1/5/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/5, 20 07

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

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

Date 10/28/2006
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00854657-09
Repair Organization P.O., Job No., etc

3. Work Performed ByG. N. Venture
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None
Authorization No.: None
Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
ECCS Modification Kit Screen Strainer	CCI AG	PO00412951	Not Recorded	Cat ID 1415264 UTC 2747043	2006	Replacement	No
ER 308L (3/32" Diameter)	Arcos	Lot CF8147	Not Applicable	Cat ID 8497-1 UTC 2683263	2003	Replacement	No
ER 308L (1/8" Diameter)	Arcos	Lot DM7971	Not Applicable	Cat ID 8513-1 UTC 2686707	2003	Replacement	No

7. Description of Work: Replaced the Unit 2A containment sump screen in accordance with EC 356733 as response to Generic Letter 2004-02. Scope of work was exempt from ASME Section XI repair/replacement rules, screen strainer is not an ASME component. Ring collar for new strainer assembly was attached by welding to existing pipe (Line 2SI06AA-24"). Liquid penetrant of welds in the finished condition was performed per EC 356733.

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

Other ☐ Pressure Not applicable psig Test Temp. Not applicable °F

9. Remarks: Applicable documentation for weld filler material was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 10/28, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/13/2006 to 10/28/2006, 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.

Rocky W. White Commissions Ill. # 1927
Inspector's Signature National Board, State, Province, and Endorsements

Date 10-28, 2006

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

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

   Date 10/28/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00854657-14
   Repair Organization P.O., Job No., etc

3. Work Performed ByG. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
ECCS Modification Kit Screen Strainer	CCI AG	PO00412951	Not Recorded	Cat ID 1415264 UTC 2747044	2006	Replacement	No
ER 308L (3/32" Diameter)	Arcos	Lot CF8147	Not Applicable	Cat ID 8497-1 UTC 2683263	2003	Replacement	No
ER 308L (1/8" Diameter)	Arcos	Lot DM7971	Not Applicable	Cat ID 8513-1 UTC 2686707	2003	Replacement	No

7. Description of Work: Replaced the Unit 2B containment sump screen in accordance with EC 356733 as response to Generic Letter 2004-02. Scope of work was exempt from ASME Section XI repair/replacement rules, screen strainer is not an ASME component. Ring collar for new strainer assembly was attached by welding to existing pipe (Line 2SI06AB-24"). Liquid penetrant of welds in the finished condition was performed per EC 356733.

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

   Other ☐ Pressure Not applicable psig Test Temp. Not applicable °F

9. Remarks: Applicable documentation for weld filler material was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 10/28, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 8/2/2006 to 10/28/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 10/28, 2006

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

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

   Date 12/20/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00837608-02
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1971 (Valve)/1974 (Piping/Support) Edition, Winter 1972 (Valve)/ 1975 (Piping/Support) Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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 2SI8953B, Line 2SI79KA-2", and U-Bolt Support 2SI30B014G	Not Recorded/ Unknown	See Drawing PG-2539C-288A	Not Applciable	Valve 2SI8953B, Line 2SI79FA-2", and U-Bolt Support 2SI30B014G	Not Recorded	Replaced	Yes (Valve)
2" Globe Valve	Kerotest	ML5-1	9221	Cat ID 1969-1 UTC 2733689	1976	Replacement	Yes (Valve)
5/8" U-Bolt (with hex nuts)	Bergen-Power Pipe Supports	None	Not Applicable	Cat ID 24580-1 UTC 2741727	2006	Replacement	No
1/8" ER 308 Weld Rod	Arcos	Lot DM7971	Not Applicable	Cat ID 8513-1 UTC 2686707	2003	Replacement	No
3/32" ER 308L Weld Rod	Arcos	Lot CF8147	Not Applicable	Cat ID 8497-1 UTC 2683263	2003	Replacement	No

7. Description of Work: Existing valve was to be disassembled to search for and retrieve foreign material, but could not be disassembled so it was replaced with a new valve. Existing u-bolt was destroyed during removal and was replaced.

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

   Other ☒ Pressure > 600 psig Test Temp. Ambient °F

9. Remarks: VT-2 was acceptable on 10/31/2006. Applicable documentation for replacement valve (Form NPV-1) and material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/20, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/21/2006 to 12/20/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 12-21, 2004

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

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

   Date 12/20/2006
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00837608-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1971 (Valve)/1974 (Piping/Support) Edition, Winter 1972 (Valve)/ 1975 (Piping/Support) Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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 2SI8952B, Line 2SI79FA-2", and U-Bolt Support 2SI30B019G	Not Recorded/ Unknown	See Drawing PG-2539C-288A	Not Applciable	Valve 2SI8952B, Line 2SI79FA-2", and U-Bolt Support 2SI30B019G	Not Recorded	Replaced	Yes (Valve)
2" Globe Valve	Kerotest	ML5-6	9225	Cat ID 1969-1 UTC 2733688	1976	Replacement	Yes (Valve)
2" Schedule 40 Seamless Pipe	Schoeller Bleckmann	Heat 035263 C/C C9YV	Not Applicable	Cat ID 26883-1 UTC 2737187	2003	Replacement	No
5/8" U-Bolt (with hex nuts)	Bergen-Power Pipe Supports	None	Not Applicable	Cat ID 24580-1 UTC 2741727	2006	Replacement	No
1/8" ER 308 Weld Rod	Arcos	Lot DM7971	Not Applicable	Cat ID 8513-1 UTC 2686707	2003	Replacement	No

7. Description of Work: Existing valve was to be disassembled to search for and retrieve foreign material, but could not be disassembled so it was replaced with a new valve. Existing piping was replaced to assist with installation of the new valve. Existing u-bolt was destroyed during removal and was replaced.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure > 600 psig Test Temp. Ambient °F

9. Remarks: VT-2 was acceptable on 10/31/2006. Applicable documentation for replacement valve (Form NPV-1) and material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/20, 2006
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/21/2006 to 12/20/2006, 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 IL1085
National Board, State, Province, and Endorsements

Date 12-21-, 2006

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

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

   Date 1/2/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00957654-02
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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)
Venting Quill Assembly Line 2SIK3AB-1 ½" and Valve 2SI126B per EC 362658	See Below	See Below	Not Applicable	Line 2SIK3AB-1 ½" and Valve 2SI126B	2006	New Installation	See Below
1 ½" Socket Weld Flange	Coffer Corporation	Heat Code AMBQ	Not Applicable	Cat ID 19984-1 UTC 2747400	1987	New Installation	No
1 ½" Seamless Pipe	TUBECEX / Energy & Process Corp	Heat 33028	Not Applicable	Cat ID 1226372-1 UTC 2748042	2004	New Installation	No
16" x 1 ½" Pipe Sockolet Fitting	Gibson Products, L.P. / Energy & Process Corp.	Heat 90827 Heat Code GP70	Not Applicable	Cat ID 1416698-1 UTC 2747386	2006	New Installation	No
1 ½" Gate Valve	Velan, Inc.	991005-2	Not Applicable	Cat ID 1416691-1 UTC 2747371	1999	New Installation	Yes
1/16" ER 308L Weld Rod	Teledyne McKay	Heat 09735 Lot 23421	Not Applicable	Cat ID 8492-1 UTC 2033336	1984	New Installation	No
3/32" ER 308 Weld Rod	Arcos	Lot CF8147	Not Applicable	Cat ID 8497-1 UTC 2683263	2003	New Installation	No

7. Description of Work: Venting quill prefabricated spool assembly to be installed by welding onto Line 2SI01B-24" per EC 362658. Spool assembly was installed under Task 04. Venting quill was installed to address potential entrainment of air in the ECCS suction piping.

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

   Other ☐ Pressure N/A psig Test Temp. N/A °F

9. Remarks: Pressure testing performed after final installation under Task 04. Applicable documentation for material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/2, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/13/2006 to 1/2/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/3, 2007

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

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

   Date 1/3/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00957654-04
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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)
Venting Quill Assembly Line 2SIK3AB-1 ½" and Valve 2SI126B per EC 362658	See Below	See Below	Not Applciable	Line 2SIK3AB-1 ½" and Valve 2SI126B	2006	New Installation	See Below
1 ½" Blind Flange	WFI Nuclear Products	Heat Code 3747ANE	Not Applicable	Cat ID 37922-1 UTC 2748115	2006	New Installation	No
½"-13 Heavy Hex Screws	Lake Erie Screw Corp. / NOVA Machine Products	Heat US Y06420 Lot 40083851	Not Applicable	Cat ID 23225-1 UTC 2680684	2000	New Installation	No
½"-13 Heavy Hex Nuts	Cuyahoga Steel & Wire / NOVA Machine Products	Heat B87035 Lot 50028307	Not Applicable	Cat ID 1394856-1 UTC 2707520	2000	New Installation	No
1/8" ER 308 Weld Rod	Arcos	Lot DM7971	Not Applicable	Cat ID 8513-1 UTC 2686707	2003	New Installation	No
3/32" ER 308 Weld Rod	Arcos	Lot CF8147	Not Applicable	Cat ID 8497-1 UTC 2683263	2003	New Installation	No

7. Description of Work: Venting quill assembly was installed by welding onto Line 2SI01B-24" per EC 362658. Spool assembly was fabricated under Task 02 of this work order. Venting quill was installed to address potential entrainment of air in the ECCS suction piping.

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

   Other ☒ Pressure 39 psig Test Temp. 74.1 °F

9. Remarks: VT-2 was acceptable on 10/28/2006. Applicable documentation for material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/3, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/13/2006 to 1/3/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/3, 2007

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

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

   Date 1/2/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00957654-12
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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)
Venting Quill Assembly Line 2SIK3AA-1 ½" and Valve 2SI126A per EC 362658	See Below	See Below	Not Applicable	Line 2SIK3AA-1 ½" and Valve 2SI126A	2006	New Installation	See Below
1 ½" Socket Weld Flange	Coffer Corporation	Heat Code AMBQ	Not Applicable	Cat ID 19984-1 UTC 2747400	1987	New Installation	No
1 ½" Seamless Pipe	TUBECEX / Energy & Process Corp	Heat 33028	Not Applicable	Cat ID 1226372-1 UTC 2748042	2004	New Installation	No
16" x 1 ½" Pipe Sockolet Fitting	Gibson Products, L.P. / Energy & Process Corp.	Heat 90827 Heat Code GP70	Not Applicable	Cat ID 1416698-1 UTC 2747386	2006	New Installation	No
1 ½" Gate Valve	Velan, Inc.	991005-3	Not Applicable	Cat ID 1416691-1 UTC 2747372	1999	New Installation	Yes
1/16" ER 308L Weld Rod	Teledyne McKay	Heat 09735 Lot 23421	Not Applicable	Cat ID 8492-1 UTC 2033336	1984	New Installation	No
3/32" ER 308 Weld Rod	Arcos	Lot CF8147	Not Applicable	Cat ID 8497-1 UTC 2683263	2003	New Installation	No

7. Description of Work: Venting quill prefabricated spool assembly to be installed by welding onto Line 2SI01B-24" per EC 362658. Spool assembly was installed under Task 13. Venting quill was installed to address potential entrainment of air in the ECCS suction piping.

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

   Other ☐ Pressure N/A psig Test Temp. N/A °F

9. Remarks: Pressure testing performed after final installation under Task 13. Applicable documentation for material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/2, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/13/2006 to 1/2/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/3/, 2007

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

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

   Date 1/3/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00957654-13
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(c) Section XI code Cases used: N-416-3

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)
Venting Quill Assembly Line 2SIK3AA-1 ½" and Valve 2SI126A per EC 362658	See Below	See Below	Not Applciable	Line 2SIK3AA-1 ½" and Valve 2SI126A	2006	New Installation	See Below
1 ½" Blind Flange	WFI Nuclear Products	Heat Code 3747ANE	Not Applicable	Cat ID 37922-1 UTC 2748115	2006	New Installation	No
½"-13 Heavy Hex Screws	Lake Erie Screw Corp. / NOVA Machine Products	Heat US Y06420 Lot 40083851	Not Applicable	Cat ID 23225-1 UTC 2680684	2000	New Installation	No
½"-13 Heavy Hex Nuts	Cuyahoga Steel & Wire / NOVA Machine Products	Heat B87035 Lot 50028307	Not Applicable	Cat ID 1394856-1 UTC 2707520	2000	New Installation	No
1/8" ER 308 Weld Rod	Arcos	Lot DM7971	Not Applicable	Cat ID 8513-1 UTC 2686707	2003	New Installation	No
3/32" ER 308 Weld Rod	Arcos	Lot CF8147	Not Applicable	Cat ID 8497-1 UTC 2683263	2003	New Installation	No

7. Description of Work: Venting quill assembly was installed by welding onto Line 2SI01B-24" per EC 362658. Spool assembly was fabricated under Task 12 of this work order. Venting quill was installed to address potential entrainment of air in the ECCS suction piping.

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

   Other ☒ Pressure 39 psig Test Temp. 74.1 °F

9. Remarks: VT-2 was acceptable on 10/28/2006. Applicable documentation for material certifications were attached at the time of final review and are maintained on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/3, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/13/2006 to 1/3/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/3, 2007

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

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

   Date 1/8/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #967075-04
   Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 1 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, No Code Cases
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Existing 1 5/8" Body-to-Bonnet Bolting (One Double Ended Stud and One Heavy Hex Nut) on Westinghouse Swing Type Check Valve	Unknown	Unknown	Not Applicable	Valve 2SI8948C	Not Recorded	Replaced	No
1 5/8"-8 heavy hex nut	Nova Machine Products	Heat 536569 Lot 40051286 Trace E731	Not Applicable	Cat ID 1234797-1 UTC 2640613	2002	Replacement	No
1 5/8" –8 Double Ended Stud	Nova Machine Products	Heat 405760 Lot 40051281 Trace A491	Not Applicable	Cat ID 1234801-1 UTC 2640612	2002	Replacement	No

7. Description of Work: A body-to-bonnet leak was discovered at the valve. Existing body-to-bonnet bolting was removed one bolt at a time, cleaned, and reinstalled and retorqued. One stud/hex nut started to gall when bolting was loosened so existing stud and hex nut combination was replaced with new bolting. A preservice VT-1 was performed on the replacement bolting prior to installation.

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

   Other ☐ Pressure N/A psig Test Temp. N/A °F

9. Remarks: VT-2 examination not required. A visual leak check was performed during ascending Mode 3 walk down on 10/31/2006, no evidence of leakage was noted. Applicable material certifications for replacement bolting material were attached at the time of final review and are on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/8, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/23/2006 to 1/8/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/8/, 2007

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

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

   Date 1/12/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 2
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00898633-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Code Symbol Stamp: None
   Authorization No.: None
   Expiration Date: None

4. Identification of System: Safety Injection (SI) (Class 2 Portion of System)

5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
(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)
Relief Valve 2SI8856B	Crosby	N56902-00-0018	Not Applicable	2SI8856B	Not Recorded	Replaced	Yes
Crosby Relief Valve (2" diameter inlet)	Crosby	N56902-00-0008	Not Applicable	Cat ID 27740-1 UTC 2603995	1975	Replacement	Yes

7. Description of Work: Existing relief valve was replaced with a tested spare relief valve to support IST surveillance testing. Spare valve was bench tested by Braidwood Station Mechanical Maintenance under WO #732992-02 prior to installation.

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

   Other ☒ Pressure 170 psig Test Temp. 94 °F

9. Remarks: VT-2 was acceptable on 10/23/2006. Applicable documentation for replacement relief valve (Form NV-1) was attached at the time of final review and is on file.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/12, 2007
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 IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 7/12/2006 to 1/12/2007, 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 IL1085
National Board, State, Province, and Endorsements

Date 1/12, 2007