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January 22, 2008
BW080002

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

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

Subject: Braidwood Station, Unit 1 Inservice Inspection Summary Report

Enclosed is the post-outage summary report (i.e., the 90 day report) for Inservice Inspection examinations conducted during the Braidwood Station, Unit 1 thirteenth refueling outage (A1R13). 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. David Gullott, Regulatory Assurance Manager, at (815) 417-2800.

Sincerely,

Thomas Coutu
Site Vice President
Braidwood Station

Enclosure: Braidwood Station ISI Outage Report for A1R13

BRAIDWOOD STATION

UNIT 1 INSERVICE INSPECTION SUMMARY REPORT FOR:

Interval 2, Period 3, Outage 2
A1R13 Outage

STATION ADDRESS:

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

UNIT 1 COMMERCIAL SERVICE DATE:

July 29, 1988

OWNER'S ADDRESS:

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

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1.0 INSPECTION INFORMATION

1.1 Summary

Second Interval Inservice Inspections (ISI) of ASME Class 1, 2, and 3 components were conducted at Braidwood Station Unit 1 between July 18, 2006 to January 2, 2008, with the majority of these inspections being performed during the Braidwood Station Unit 1 thirteenth refueling outage (A1R13). This outage is reflected in the Braidwood ISI schedule by the code 232 (Interval 2, Period 3, Outage 2).

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 completed during A1R13. The Braidwood Unit 1 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 1 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) Visual examinations of pressure retaining components above the Unit 1 reactor vessel head in accordance with First Revised NRC Order EA-03-009.

d) Examination of the 1A reactor coolant pump motor flywheel in accordance with Regulatory Guide 1.14.

e) Ultrasonic examination (post weld overlay) of all six pressurizer nozzle-to-safe end dissimilar metal welds associated with Confirmatory Action Letter NRR-07-008 commitments for Unit 1.

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, R. White, and J. Snyder. 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 Class 1 and 2, Risk Informed ISI, and augmented examinations performed during the Braidwood Station Unit 1 A1R13 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*
Reactor Coolant (RC)	55
Residual Heat Removal (RH)	2
Reactor Coolant (RY)	4
Safety Injection (SI)	9
TOTALS	**70**

* 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
Chemical & Volume Control (CV)	1
Reactor Coolant (RC)	1
Residual Heat Removal (RH)	3
Safety Injection (SI)	36
Essential Service Water (SX)	11
Primary Containment Purge (VQ)	2
TOTALS	**54**

2.3 Inservice Snubber Summary

SYSTEM EXAMINED	Number of Snubbers Examined by VT-3	Number of Snubbers Functionally Tested
Chemical & Volume Control (CV)	4	1
Main Steam (MS)	20	7
Reactor Coolant (RC)	45	11
Residual Heat Removal (RH)	18	1
Reactor Coolant (RY)	24	4
Safety Injection (SI)	73	9
TOTALS	**184**	**33**

2.4 Inservice Pressure Test Summary

2.4.1 Pressure Test Test-Block Inspection Summary

The following 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*
Auxiliary Feedwater (AF)	2	1
Instrument Air (IA)	2	1
Safety Injection (SI)	2	2
Plant Systems Pressurized During Mode 3 (ZZ)	1 & 2	4
	TOTALS	**8**

* Remaining portion of two test blocks (A01SI-000005-M04-02H and A01ZZ-000005-M04-02B) were completed during A1R13. Remaining portion of test block A01ZZ-000005-M04-02A to be completed during a forced outage or in A1R14. Interval has been extended in accordance with by IWB-2412*(b)*. Surveillances for remaining Class 2 systems were still ongoing at the time of report generation and will be included into the next ISI Summary report (A1R14).

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)	11	0
Pressurizer (PZR)	1	0
Reactor Coolant (RC)	12	0
Residual Heat Removal (RH)	2	0
TOTALS	**26**	**0**

2.5 Steam Generator (SG) Eddy Current Testing Summary

In compliance with Braidwood Station Technical Specification (TS) 5.5.9, "Steam Generator (SG) 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 1 Cycle 13 refueling outage (A1R13). 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 eddy current in all four SGs
- 100% hot leg dents and dings $\geq$ 2.0 volts +Point™
- Diagnostic +Point™ eddy current based on bobbin coil eddy current results
- 100% Visual Inspection of Previously Installed Tube Plugs
- 100% Visual Inspection of Newly Installed Tube Plugs

The modes of tube degradation found during A1R13 were fan bar wear, lattice grid wear and foreign object wear.

As a result of the eddy current inspection of the SGs, a total of 21 tubes were removed from service by mechanical tube plugging. The 21 tubes were removed from service due to either having wear associated with secondary side foreign objects or were required to be removed from

service in order to bound high flow locations where secondary side foreign objects could not be retrieved.

There were no tubes containing wear greater than the TS plugging limit of ≥ 40% in any of the four SGs.

There were no scanning limitations during the eddy current examinations. Table 2.5-1, "Equivalent Tube Plugging Level," provides the total tube plugging history and equivalent plugging levels to-date for the Braidwood Station, Unit 1 SGs. Note: The Braidwood Unit 1 steam generators were replaced during the Cycle 7 refueling outage (November 1998).

Table 2.5-1
Equivalent Tube Plugging Level

	SG A	SG B	SG C	SG D	Total
Tubes Plugged at Factory	1	2	0	0	3
Tubes Plugged in A1R08	1	0	0	0	1
Tubes Plugged in A1R10	8	10	3	0	21
Tubes Plugged in A1R11	0	2	2	1	5
Tubes Plugged in A1R12	11	17	0	0	28
Tubes Plugged in A1R13	6	8	7	0	21
Total Tubes Plugged	27	39	12	1	79
Total Tubes Plugged (%)	0.41%	0.59%	0.18%	0.02%	0.30%

Note: Steam Generator Inspections Were Not Performed During A1R09.

Additional information concerning the steam generator eddy current inspection results can be obtained in the report submitted to the Nuclear Regulatory Commission as required by Technical Specification 5.6.9, "Steam Generator (SG) Tube Inspection Report."

3.0 COMPONENT DETAILED EXAMINATION TABLES

3.1 Detailed Inservice Weld/Component Table(s):

The table for this section (Pages 3-5 to 3-22) 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 3-23 to 3-27) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 (no Class 2 replaced) components replaced during A1R13. 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 3-28 to 3-36) 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 3-37 to 3-39) 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 3-40 to 3-52) 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 3-53 to 3-56) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and 2 snubbers replaced during A1R13. 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 3-3-57 to 3-60) 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) (K)	(D)	(E)	(G)	(I)
(J)					

3.4.2 Borated Bolted Connection Inspections

The table for this section (Pages 3-61 to 3-64) 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) (K)	(D)	(E)	(G)	(I)
(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

ATI	-	Action Tracking Item
BMV	-	Bare Metal Visual Inspection
FUNCT	-	Snubber Functional Test
FSWOL	-	Full Structural Weld Overlay
GE/IND	-	Geometry/Indication
GEOM	-	Geometry
IND	-	Indication
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

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SYSTEM: Chemical & Volume Control System (CV)

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

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.20	1RC-02-04A BRANCH CONNECTION - THERMOWELL	THERMOWELL		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-03-21A BRANCH CONNECTION - THERMOWELL	THERMOWELL		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-06-16 PIPE - PIPE	1RC21BA-8"		NOTE 4	100	VOL-E	UT-45	NRI
R-A	R01.20	1RC-23-01 3"X1.5" REDUCER - PIPE	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-23-02 PIPE - ELBOW	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-23-03 ELBOW - PIPE	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-23-04 PIPE - ELBOW	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-23-05 ELBOW - PIPE	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-27-04AA PIPE - ELBOW	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-27-05AA ELBOW - PIPE	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-27-06AA PIPE - ELBOW	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-27-07AA ELBOW - PIPE	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-27-08AA PIPE - VALVE 1RC8045A	1RC22AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-01-03 PIPE - BRANCH CONNECTION	1RC16AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-01-04 PIPE - BRANCH CONNECTION	1RC16AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-02-03 ELBOW - PIPE	1RC16AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-02-04 ELBOW - PIPE	1RC16AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-03-03 PIPE - ELBOW	1RC16AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-03-04 PIPE - ELBOW	1RC16AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-04-03 ELBOW - PIPE	1RC16AC-2"		NOTE 4		VT-2		NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1RC-29-04-04 ELBOW - PIPE	1RC16AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-05-03 PIPE - ELBOW	1RC16AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-05-04 PIPE - ELBOW	1RC16AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-06-03 VALVE 1RC8038C - PIPE	1RC16AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-29-06-04 VALVE 1RC8038D - PIPE	1RC16AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-31-01 BRANCH CONNECTION - PIPE	1RC14AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-31-02 PIPE - VALVE 1RC8039B	1RC14AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-31-03 VALVE 1RC8039B - PIPE	1RC14AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-31-04 PIPE - TEE	1RC14AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-31-05 TEE - 2"X.75" REDUCER	1RC14AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-31-06 TEE - PIPE	1RC14AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-31-07 PIPE - VALVE 1RC8037B	1RC14AB-2"		NOTE 4		VT-2		NRI
R-A	R01.20	1RC-31-08 BRANCH CONNECTION - PIPE	1RC26A-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-01 BRANCH CONNECTION - PIPE	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-02 PIPE - ELBOW	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-03 ELBOW - PIPE	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-04 PIPE - VALVE 1RC8039A	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-05 VALVE 1RC8039A - PIPE	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-06 PIPE - TEE	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-07 TEE - 2"X.75" REDUCER	1RC14AA-2"		NOTE 4		VT-2		NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1RC-36-08 TEE - PIPE	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-09 PIPE - VALVE 1RC8037A	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-20 PIPE - TEE	1RC14AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-36-22 TEE - 2"X1" REDUCER	1RC86AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-01 BRANCH - PIPE	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-02 PIPE - ELBOW	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-03 ELBOW - PIPE	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-04 PIPE - VALVE 1RC8039D	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-05 VALVE 1RC8039D - PIPE	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-06 PIPE - TEE	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-07 TEE - 2"X.75" REDUCER	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-08 TEE - PIPE	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-37-09 PIPE - VALVE 1RC8037D	1RC14AD-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-01AA PIPE - BRANCH CONNECTION	1RC16AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-01AB PIPE - BRANCH CONNECTION	1RC16AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-02AA ELBOW - PIPE	1RC16AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-02AB ELBOW - PIPE	1RC16AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-03AA PIPE - ELBOW	1RC16AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-03AB PIPE - ELBOW	1RC16AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-04AA ELBOW - PIPE	1RC16AA-2"		NOTE 4		VT-2		NRI

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1RC-41-04AB VALVE 1RC8038B - PIPE	1RC16AB-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-05AA PIPE - ELBOW	1RC16AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-41-06AA VALVE 1RC8038A - PIPE	1RC16AA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-01 BRANCH CONNECTION - PIPE	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-02 PIPE - ELBOW	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-03 ELBOW - PIPE	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-04 PIPE - VALVE 1RC8039C	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-05 VALVE 1RC8039C - PIPE	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-06 PIPE - TEE	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-07 TEE - 2"X3/4" REDUCER	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-08 TEE - PIPE	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-09 PIPE - VALVE 1RC8037C	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-10 PIPE - TEE	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-11 TEE - PIPE	1RC14AC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1RC-42-12 TEE - 2"X1" REDUCER	1RC14AC-2"		NOTE 4		VT-2		NRI
B-A	B01.11	1RV-01-003 RX VESSEL SHELL - SHELL WELD	1RC01R		NOTE 4	100	VOL	UT-45L UT-45	IND. IND.
Two indications noted, detected with both the 45L and the 45 shear. Both indications acceptable per Section XI 1989 IWB-3510-1.									
B-A	B01.11	1RV-01-004 RX VESSEL SHELL - SHELL WELD	1RC01R		NOTE 4	100	VOL	UT-45L UT-45 UT-45L UT-45	NRI IND. NRI IND.
One indication noted on 45 degree shear, allowable per Section XI 1989, IWB-3510-1.									
B-A	B01.30	1RV-01-005 RX VESSEL SHELL - FLANGE	1RC01R	I2R-21	NOTE 4	99.98	VOL	UT-45L UT-45	NRI
Limitation due to keyways located at 0, 90, 270, and 360 degrees. No recordable indications.									

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
B-D	B03.90	1RV-01-006	1RC01R	I2R-16	NOTE 4	99.3	VOL	UT-0	NRI
		VESSEL - NOZZLE (22 DEG.)		I2R-22				UT-30	IND.
								UT-45	NRI
								UT-45	IND.
								UT-45L	IND.
								UT-45L	NRI
								UT-45	NRI
Eight recordable indications noted (all with the 30 degree shear wave, also noted on 45 degree shear and 45 degree longitudinal scans). All eight were acceptable per Section XI 1989 Edition, IWB-3512-1.									
B-D	B03.90	1RV-01-007	1RC01R	I2R-16	NOTE 4	97.4	VOL	UT-0	NRI
		NOZZLE - VESSEL (67 DEG.)						UT-30	IND.
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
One indication noted (30 degree longitudinal wave scan). Indication was acceptable per 1989 Edition IWB-3510-1.									
B-D	B03.90	1RV-01-008	1RC01R	I2R-16	NOTE 4	97.4	VOL	UT-0	NRI
		NOZZLE - VESSEL (113 DEG.)						UT-30	IND.
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
Two recordable indications (both observed with 30 degree refracted longitudinal wave scan) were noted. Both indications were acceptable per Section XI 1989 Edition, IWB-3512-1.									
B-D	B03.90	1RV-01-009	1RC01R	I2R-16	NOTE 4	99.3	VOL	UT-0	NRI
		VESSEL - NOZZLE (158 DEG.)		I2R-22				UT-30	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
No recordable indications noted.									
B-D	B03.90	1RV-01-010	1RC01R	I2R-16	NOTE 4	99.3	VOL	UT-0	NRI
		VESSEL - NOZZLE (202 DEG.)		I2R-22				UT-30	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
									NRI
									NRI
No recordable indications noted.									

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
B-D	B03.90	1RV-01-011	1RC01R	I2R-16	NOTE 4	97.4	VOL	UT-0	NRI
		NOZZLE - VESSEL (247 DEG.)						UT-30	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
No recordable indications were noted.									
B-D	B03.90	1RV-01-012	1RC01R	I2R-16	NOTE 4	97.4	VOL	UT-0	NRI
		NOZZLE - VESSEL (293 DEG.)						UT-30	IND.
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
One indication (observed during 30 degree refracted longitudinal wave scan) noted during examination. Indication acceptable per Section XI 1989, IWB-3512-1.									
B-D	B03.90	1RV-01-013	1RC01R	I2R-16	NOTE 4	99.3	VOL	UT-0	NRI
		VESSEL - NOZZLE (338 DEG.)		I2R-22				UT-30	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
								UT-45L	NRI
								UT-45	NRI
No recordable indications noted.									
B-D	B03.100	1RV-01-014	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
		NOZZLE INNER RADIUS (22 DEG.)							
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.100	1RV-01-015	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
		NOZZLE INNER RADIUS (67 DEG.)							
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.100	1RV-01-016	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
		NOZZLE INNER RADIUS (113 DEG.)							
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.100	1RV-01-017	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
		NOZZLE INNER RADIUS (158 DEG.)							
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions. Evidence of corrosion by-products noted for information.									
B-D	B03.100	1RV-01-018	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
		NOZZLE INNER RADIUS (202 DEG.)							
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions. Evidence of corrosion by-products noted for information.									

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
B-D	B03.100	1RV-01-019 NOZZLE INNER RADIUS (247 DEG.)	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions. Evidence of corrosion by-products noted for information.									
B-D	B03.100	1RV-01-020 NOZZLE INNER RADIUS (293 DEG.)	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.100	1RV-01-021 NOZZLE INNER RADIUS (338 DEG.)	1RC01R	I2R-16	NOTE 4		IRS	VT-1	NRI
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions. Evidence of corrosion by-products noted for information.									
R-A	R01.15 MRP-139	1RV-01-022 NOZZLE - SAFE END (22 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
A circumferential eddy current scan was also performed on the weld inside diameter surface. No recordable indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.15 MRP-139	1RV-01-023 SAFE END - NOZZLE (67 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
A circumferential eddy current scan was also performed on the inside diameter surface. No recordable indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.15 MRP-139	1RV-01-024 SAFE END - NOZZLE (113 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
No recordable indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.15 MRP-139	1RV-01-025 NOZZLE - SAFE END (158 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
A circumferential eddy current scan was also performed on the inside diameter surface. No recordable indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.15 MRP-139	1RV-01-026 NOZZLE - SAFE END (202 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
A circumferential eddy current scan was also performed on the inside diameter surface. No recordable indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.15 MRP-139	1RV-01-027 SAFE END - NOZZLE (247 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
No indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.15 MRP-139	1RV-01-028 SAFE END - NOZZLE (293 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
No indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.15 MRP-139	1RV-01-029 NOZZLE - SAFE END (338 DEG.)	1RC01R	I2R-16 I2R-49	NOTE 4	100	VOL-E	UT-70L	NRI
A circumferential eddy current scan was also performed on the inside diameter surface. No recordable indications were noted. Exam also meets MRP-139 requirements.									
R-A	R01.20	1RV-01-030 "C" HOT LEG SAFE END - PIPE	1RC01AC-29"	I2R-49	NOTE 4	93.47	VOL-E	UT-70L	NRI
Additional weld examination performed during 1RV-01-022 inspection. No recordable indications. A circumferential eddy current examination was also performed on inside diameter surface									

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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	1RV-01-031 ELBOW - "C" COLD LEG SAFE END	1RC03AC-27.5"	I2R-49	NOTE 4	98.54	VOL-E	UT-70L	NRI
A circumferential eddy current examination was also performed on the inside diameter surface.									
R-A	R01.20	1RV-01-032 ELBOW - "D" COLD LEG SAFE END	1RC02AD-27.5"	I2R-49	NOTE 4	99.3	VOL-E	UT-70L	NRI
A circumferential eddy current examination was performed on inside diameter surfaces. No recordable indications were noted.									
R-A	R01.20	1RV-01-033 "D" HOT LEG SAFE END - PIPE	1RC01AD-29"	I2R-49	NOTE 4	93.11	VOL-E	UT-70L	NRI
Additional weld examination performed during 1RV-01-025 inspection. No recordable indications. A circumferential eddy current examination was also performed on inside diameter surface.									
R-A	R01.20	1RV-01-034 "A" HOT LEG SAFE END - PIPE	1RC01AA-29"	I2R-49	NOTE 4	91.78	VOL-E	UT-70L UT-70L	NRI NRI
A circumferential eddy current examination was performed on the inside diameter surfaces. No recordable indications noted.									
R-A	R01.20	1RV-01-035 ELBOW - "A" COLD LEG SAFE END	1RC03AA-27.5"	I2R-49	NOTE 4	87.5	VOL-E	UT-70L	NRI
Additional weld examination performed during 1RV-01-027 inspection. No recordable indications. A circumferential eddy current examination was also performed on inside diameter surface									
R-A	R01.20	1RV-01-036 ELBOW - "B" COLD LEG SAFE END	1RC03AB-27.5"	I2R-49	NOTE 4	88.06	VOL-E	UT-70L	NRI
Additional weld examination performed during 1RV-01-028 inspection. No recordable indications. A circumferential eddy current examination was also performed on inside diameter surface									
R-A	R01.20	1RV-01-037 "B" HOT LEG SAFE END - PIPE	1RC01AB-29"	I2R-49	NOTE 4	97.7	VOL-E	UT-70L	NRI
A circumferential eddy current scan was also performed on the inside diameter surface. No recordable indications were noted.									
B-N-2	B13.60	1RV-01-039 TO 044 INTERIOR ATTACHMENT OUTSIDE BELTLINE REG	1RC01R				VT-3	VT-3	NRI
B-N-3	B13.70	1RV-01-RX COREBARREL CORE SUPPORT STUCTURE	1RC01R				VT-3	VT-3	NRI
Partial examination of lower core plate due to radiation affecting equipment.									
B-N-1	B13.10	1RV-01-RX INTERIOR ACCESSIBLE INTERIOR SURFACES	1RC01R				VT-3	VT-3	NRI
B-A	B01.21	1RV-02-001 DUTCHMAN - LOWER CENTER DISC.	1RC01R	I2R-18	NOTE 4	97.24	VOL	UT-45L UT-45	NRI NRI
Combined coverage for four scans (counterclockwise, clockwise, up, and down) using 45 degree dual longitudinal, 45 degree single, and 45 degree shear beam angles is 97.24%. Previous ten-year examination average was determined to be 86%. Per Braidwood Second Interval Relief Request I2R-18, Braidwood committed to perform examinations to the maximum extent practical suring available underwater techniques.									
B-A	B01.11	1RV-02-002 RX VESSEL SHELL - DUTCHMAN	1RC01R	I2R-18	NOTE 4	72.58	VOL	UT-45L UT-45 UT-45L UT-45	NRI NRI NRI NRI
Limitations due to the six core support lugs which have an average width of 21.7 degrees. Combined coverage for four scans (counterclockwise, clockwise, up, and down) using 45 degree dual longitudinal, 45 degree single, and 45 degree shear beam angles is 72.58%. Previous ten-year examination average was determined to be 81%. Per Braidwood Second Interval Relief Request I2R-18, Braidwood committed to perform examinations to the maximum extent practical suring available underwater techniques.									

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Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
B-E	B04.13	1RV-02-INSTR. NOZZLES	1RC01R				VOL		NRI
	I-600	RX VESSEL INSTRUMENTATION NOZ.							
Augmented examinations (NRC Bulletin 2003-02) performed from 10/11 through 10/15/2007 using Wesdyne Procedures WDI-STD-133, WDI-STD-134, WDI-STD-141, and WDI-STD-142. No indications were noted on any of the penetrations examined.									
B-O	B14.10	1RV-03-54	1RC01R		NOTE 4	100	SUR	PT	NRI
		WELD IN PERIPHERAL CRD HOUSING							
B-O	B14.10	1RV-03-66	1RC01R		NOTE 4	100	SUR	PT	NRI
		WELD IN PERIPHERAL CRD HOUSING							
B-O	B14.10	1RV-03-67	1RC01R		NOTE 4	100	SUR	PT	NRI
		WELD IN PERIPHERAL CRD HOUSING							
B-O	B14.10	1RV-03-73	1RC01R		NOTE 4	100	SUR	PT	NRI
		WELD IN PERIPHERAL CRD HOUSING							
B-G-2	B07.10	1RV-03-77 CETNA CLAMP BOLTING	1RC01R				VT-1	VT-1	NRI
		INCORE THERMOCOUPLE CLAMP (Pen. #77)							
B-O	B14.10	1RV-03-78	1RC01R		NOTE 4	100	SUR	PT	NRI
		WELD IN PERIPHERAL CRD HOUSING							
B-G-2	B07.10	1RV-03-78 CETNA CLAMP BOLTING	1RC01R				VT-1	VT-1	NRI
		INCORE THERMOCOUPLE CLAMP (Pen. #78)							
B-E	B04.12	1RV-03-CRD NOZZLES	1RC01R				VT-2		NRI
		REACTOR VESSEL CRD NOZZLES							
B-E	B04.11	1RV-03-VENT PIPE	1RC01R				VT-2		NRI
		REACTOR VESSEL NOZ. VENT PIPE							
B-Q	B16.20	1SG-05-1RC01BA TUBING	1RC01BA				VOL	ET	IND.
		STEAM GENERATOR TUBING							
See Section 2.5 of report for examination details. Based on eddy current test results, the following tubes (hot and cold leg tubesheets) were isolated by mechanical plugging: Row 110/Column 59, Row 112/Column 59, Row 114, Column 59, Row 109/Column 60, Row 111/Column 60, and Row 113/Column 60.									
B-D	B03.140	1SG-05-SGN-16	1RC01BA		NOTE 4	95.1	IRS		NRI
		PRIMARY INLET NOZZLE INNER RADIUS							
Enhanced VT-1 per Code Case 648-1 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.140	1SG-05-SGN-17	1RC01BA		NOTE 4	95.1	IRS		NRI
		PRIMARY OUTLET NOZZLE INNER RADIUS							
Enhanced VT-1 per Code Case 619 and additional Regulatory Guide 1.147 conditions.									
R-A	R01.20	1SG-05-SGSE-02	1RC01BA		NOTE 4	79	VOL-E		NRI
		SAFE END - AUX FW NOZZLE			NOTE 7				

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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	1SG-06-1RC01BB TUBING STEAM GENERATOR TUBING	1RC01BB				VOL	ET	IND.
See Section 2.5 of report for examination details. Based on eddy current test results, the following tubes (hot and cold leg tubesheets) were isolated by mechanical plugging: Row 65/Column 18, Row 64/Column 19, Row 66, Column 19, Row 63/Column 20, Row 65/Column 20, Row 62/Column 21, Row 64/Column 21, and Column 63/Row 22.									
B-D	B03.140	1SG-06-SGN-16 PRIMARY INLET NOZZLE INNER RADIUS	1RC01BB		NOTE 4	95.1	IRS EVT-1		NRI
Enhanced VT-1 per Code Case 619 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.140	1SG-06-SGN-17 PRIMARY OUTLET NOZZLE INNER RADIUS	1RC01BB		NOTE 4	95.1	IRS EVT-1		NRI
Enhanced VT-1 per Code Case 619 and additional Regulatory Guide 1.147 conditions.									
B-Q	B16.20	1SG-07-1RC01BC TUBING STEAM GENERATOR TUBING	1RC01BC				VOL	ET	IND.
See Section 2.5 of report for examination details. Based on eddy current test results, the following tubes (hot and cold leg tubesheets) were isolated by mechanical plugging: Row 74/Column 19, Row 76/Column 19, Row 78, Column 19, Row 73/Column 20, Row 75/Column 20, Row 77/Column 20, Row 64/Column 21, and Column 79/Row 20.									
B-D	B03.140	1SG-07-SGN-16 PRIMARY INLET NOZZLE INNER RADIUS	1RC01BC		NOTE 4	95.1	IRS EVT-1		NRI
Enhanced VT-1 per Code Case 619 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.140	1SG-07-SGN-17 PRIMARY OUTLET NOZZLE INNER RADIUS	1RC01BC		NOTE 4	95.1	IRS EVT-1		NRI
Enhanced VT-1 per Code Case 619 and additional Regulatory Guide 1.147 conditions.									
B-Q	B16.20	1SG-08-1RC01BD TUBING STEAM GENERATOR TUBING	1RC01BD				VOL	ET	NRI
See Section 2.5 of report for examination details. Based on eddy current test results, tube plugging was not required.									
B-D	B03.140	1SG-08-SGN-16 PRIMARY INLET NOZZLE INNER RADIUS	1RC01BD		NOTE 4	95.1	IRS EVT-1		NRI
Enhanced VT-1 per Code Case 619 and additional Regulatory Guide 1.147 conditions.									
B-D	B03.140	1SG-08-SGN-17 PRIMARY OUTLET NOZZLE INNER RADIUS	1RC01BD		NOTE 4	95.1	IRS EVT-1		NRI
Enhanced VT-1 per Code Case 619 and additional Regulatory Guide 1.147 conditions.									
R-A	R01.20	1SI-02-37 PIPE - ELBOW	1RC35AA-6"		NOTE 4	100	VOL-E	UT-45	NRI
R-A	R01.11	1SI-16-22.01 VALVE 1SI8900D - PIPE	1RC30AD-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-16-23 PIPE - 3"X1½" REDUCER	1RC30AD-1.5"		NOTE 4		VT-2		NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1SI-17-01 PIPE - 3"X1½" REDUCER	1RC30AB-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-17-02 VALVE 1SI8900B - PIPE	1RC30AB-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-31-01 PIPE - REDUCER	1RC30AA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-31-02 VALVE 1SI8900A - PIPE	1RC30AA-1.5"		NOTE 4		VT-2		NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
B-G-2	B07.70	1RH-02-1RH8701A (BLT) 1RH8701A GATE VALVE (18 BLT)	1RH01AA-12"		NOTE 3		VT-1	VT-1 VT-1	IND. NRI
Evidence of body-to-bonnet leak identified (reference IR 680790). Boric acid on valve body was cleaned and reinspected by VT-1. Body-to-bonnet gasket replacement recommended for A1R14.									
C-A	C01.10	1RHX-01-1RHEC-01 (A HX) SHELL - FLANGE	1RH02AA		NOTE 4	50	VOL	UT-45 UT-70	NRI
Reinspection based on LaSalle March 2008 NRC finding (reference IR 601691). Reinspection was performed under ATI 612176-02. Risk Evaluation BB PRA-017.61A performed to address missed surveillance.									
C-A	C01.20	1RHX-01-1RHEC-02 (A HX) SHELL - BOTTOM HEAD	1RH02AA		NOTE 4	100	VOL	UT-45	NRI
Reinspection based on LaSalle March 2008 NRC finding (reference IR 601691). Reinspection was performed under ATI 612176-02. Risk Evaluation BB PRA-017.61A performed to address missed surveillance.									
C-B	C02.21	1RHX-01-1RHXN1 (A HX) NOZZLE - SHELL	1RH02AA	I2R-07	NOTE 4	100	SUR	PT	NRI
VT-2 examination per Relief Request I2R-07 is performed under Class 2 periodic testing for RH system.									
C-B	C02.21	1RHX-01-1RHXN1 (B HX) NOZZLE - SHELL	1RH02AB	I2R-07	NOTE 4	100	SUR	PT	NRI
VT-2 examination per Relief Request I2R-07 is performed under Class 2 periodic testing for RH system.									
C-B	C02.21	1RHX-01-1RHXN2 (A HX) NOZZLE - SHELL	1RH02AA	I2R-07	NOTE 4	100	SUR	PT	NRI
VT-2 examination per Relief Request I2R-07 is performed under Class 2 periodic testing for RH system.									
C-B	C02.21	1RHX-01-1RHXN2 (B HX) NOZZLE - SHELL	1RH02AB	I2R-07	NOTE 4	100	SUR	PT	NRI
VT-2 examination per Relief Request I2R-07 is performed under Class 2 periodic testing for RH system.									

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1CV-02-13 VALVE 1CV8377 - PIPE	1RY18A-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1CV-02-14 PIPE - ELBOW	1RY18A-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1CV-02-15 ELBOW - PIPE	1RY18A-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1CV-02-16 PIPE - ELBOW	1RY18A-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1CV-02-17 ELBOW - PIPE	1RY18A-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1CV-02-18 PIPE - ELBOW	1RY18A-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1CV-02-19 ELBOW - PIPE	1RY18A-2"		NOTE 4		VT-2		NRI
B-E	B04.20	1PZR-01-HEATER PENET. PRESSURIZER HEATER PENETRATION	1RY01S				VT-2 BMV		NRI NRI
Bare metal visual of heater penetrations (A1R12 follow-up) was performed after all mirror insulation was removed from the bottom of the pressurizer to support surge nozzle dissimilar metal weld overlay. VT-2 performed again (insulated) during ascending Mode 3 surveillance.									
B-D	B03.110	1PZR-01-N1 PRESSURIZER - SURGE NOZZLE	1RY01S	I2R-08	NOTE 4	52.9	VOL VT-2	UT-0 UT-45	NRI NRI NRI
Mirror insulation was removed for surge line weld overlay making volumetric examination possible. Examination performed to the extent possible per Relief Request I2R-08.									
B-D	B03.120	1PZR-01-N1 (NIR) PRESSURIZER - SURGE NOZZLE INNER RADIUS	1RY01S	I2R-08	NOTE 4	100	IRS VT-2	UT-35 UT-50 UT-55	NRI NRI NRI NRI
Mirror insulation was removed for surge line weld overlay making volumetric examination possible. Examination performed to the extent possible per Relief Request I2R-08.									

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1PZR-01-SE-01	1RY11A-14"	I2R-48	NOTE 4	100	BMV	BMV	NRI
	R01.15	PZR SURGE NOZZLE - SAFE END				See Below	VOL-E	UT-0	NRI
	MRP-139							UT-60L	NRI
								UT-70L	NRI
								UT-45L	NRI

Final ultrasonic examinations were performed on 10/12/2007 (Data Sheet A1R13-PN-01-SW-1). Examinations performed included 0 degree, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-01-SW-1) was as follows:

0 degree: 98.3%
Circumferential scans: 90.7%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle (Weld 1PZR-01-SE-01) was as follows:

Axial Scans: 100%
Circumferential Scans: 100%

R-A	R01.15	1PZR-01-SE-02	1RY03AA-6"	I2R-48	NOTE 4		VOL		NRI
	MRP-139	PZR "A" SAFETY NOZZLE - SAFE END							

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-04-SW-4) was as follows:

0 degree: 98.4%
Circumferential scans: 94.5%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-02) was as follows:

Axial Scans: 99.7%
Circumferential Scans: 99.7%

R-A	R01.15	1PZR-01-SE-03	1RY03AB-6"	I2R-48	NOTE 4		VOL		IND.
	MRP-139	PZR "B" SAFETY NOZZLE - SAFE END							

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-05-SW-5). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-05-SW-5) was as follows:

0 degree: 98.4%
Circumferential scans: 94.5%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Elbow weld (1PZR-01-SE-03) was as follows:

Axial Scans: 99.7%
Circumferential Scans: 99.7%

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.15	1PZR-01-SE-04	1RY03AC-6"	I2R-48	NOTE 4		VOL		NRI
	MRP-139	PZR "C" SAFETY NOZZLE - SAFE END							

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-06-SW-6) was as follows:

0 degree: 97%
Circumferential scans: 90%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-04) was as follows:

Axial Scans: 100%
Circumferential Scans: 100%

R-A	R01.11	1PZR-01-SE-05	1RY01B-6"	I2R-48	NOTE 4		VOL-E		NRI
	R01.15	PZR SPRAY NOZZLE - SAFE END							
	MRP-139								

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-02-SW-2). Examinations performed included 0 degree, 33 degree refracted L-wave, 35 degree refracted L-wave, 40 degree refracted L-wave, 43 degree refracted L-wave, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-02-SW-2) was as follows:

0 degree: 98.9%
Circumferential scans: 97.5%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Reducer Weld (1PZR-01-SE-05) was as follows:

Axial Scans: 100%
Circumferential Scans: 100%

R-A	R01.15	1PZR-01-SE-06	1RY02A-6"	I2R-48	NOTE 4		VOL		NRI
	MRP-139	PZR RELIEF NOZZLE - SAFE END							

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-03-SW-3). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-03-SW-3) was as follows:

0 degree: 96.3%
Circumferential scans: 92.4%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-06) was as follows:

Axial Scans (both welds): 100%
Circumferential Scans (both welds): 100%

R-A	R01.11	1RC-05-02	1RY11A-14"		NOTE 4	100	VOL-E	UT-45	NRI
		PIPE - PIPE							
R-A	R01.20	1RC-32-05	1RY03AA-6"		NOTE 4	100	VOL-E	UT-45	NRI
		PIPE - ELBOW							

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1SI-07-06 PIPE - ELBOW	1SI08FA-3"		NOTE 4 NOTE 20	100	VOL-E	UT-45	NRI
R-A	R01.11	1SI-07-07 ELBOW - PIPE	1SI08FA-3"		NOTE 4 NOTE 20	100	VOL-E	UT-45	NRI
R-A	R01.11	1SI-07-08 PIPE - ELBOW	1SI08FA-3"		NOTE 4 NOTE 20	100	VOL-E	UT-45	NRI
R-A	R01.11	1SI-07-11 PIPE - BEND	1SI08FA-3"		NOTE 4 NOTE 20	100	VOL-E	UT-45	NRI
R-A	R01.11	1SI-07-13 PIPE - BEND	1SI08FA-3"		NOTE 4 NOTE 20	100	VOL-E	UT-45	NRI
R-A	R01.11	1SI-07-14 PIPE - ELBOW	1SI08FA-3"		NOTE 4 NOTE 20	100	VOL-E	UT-45	NRI
R-A	R01.11	1SI-10-25 PIPE - ELBOW	1SI18FC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-10-26.01 ELBOW - PIPE	1SI18FC-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-18-23 VALVE 1SI8810B - PIPE	1SI08JB-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-18-24 PIPE - ELBOW	1SI08JB-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-18-25 ELBOW - PIPE	1SI08JB-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-18-26 PIPE - ELBOW	1SI08JB-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-01 BRANCH CONNECTION - PIPE	1SI08GA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-06 COUPLING - PIPE	1SI08HA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-07 PIPE - FLANGE	1SI08HA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-08 FLANGE - PIPE	1SI08HA-2"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-14 PIPE - ELBOW	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-15 ELBOW - PIPE	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-16 PIPE - VALVE 1SI8810A	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-17 VALVE 1SI8810A - PIPE	1SI08JA-1.5"		NOTE 4		VT-2		NRI

Section 3.1 Detailed Inservice Inspection Weld / Component Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1SI-19-18 PIPE - FLANGE	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-20 PIPE - ELBOW	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-22 PIPE - ELBOW	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-23 ELBOW - PIPE	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.11	1SI-19-24 PIPE - ELBOW	1SI08JA-1.5"		NOTE 4		VT-2		NRI
R-A	R01.20	1SI-24-15BA PIPE - ELBOW	1SI06BA-24"		NOTE 4 NOTE 7	100	VOL-E	UT-45	NRI
R-A	R01.20	1SI-24-20BA ELBOW - PIPE	1SI06BA-24"		NOTE 4 NOTE 7	100	VOL-E	UT-45	NRI

Section 3.1.1 Detailed Preservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1PZR-01-SE-01	1RY11A-14"	I2R-48	NOTE 4		SUR	BMV	NRI
	R01.15	PZR SURGE NOZZLE - SAFE END				100	SUR	PT	IND.
	MRP-139							PT	NRI
							VOL-E		NRI

Bare metal visual examination prior to weld overlay as committed under Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/12/2007. One indication (1/8 inch X 1/32 inch) located 36.5 inches from 0 degree mark on pipe-side outside diameter (OD), approximately 290 degrees was noted under Report 900638-PT-013. Area was lightly blended, reexamined by liquid penetrant, and acceptable per Report 900638-PT-014.

Final ultrasonic examinations were performed on 10/12/2007 (Data Sheet A1R13-PN-01-SW-1). The examinations performed included 0 degree, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-01-SW-1) was as follows:

0 degree: 98.3%
Circumferential scans: 90.7%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-01) was as follows:

Axial Scans: 100%
Circumferential Scans: 100%

R-A	R01.15	1PZR-01-SE-02	1RY03AA-6"	I2R-48	NOTE 4		BMV	BMV	NRI
	MRP-139	PZR "A" SAFETY NOZZLE - SAFE END				100	SUR	PT	NRI
							VOL		NRI

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. No recordable indications were noted under Report 900638-PT-015.

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-04-SW-4) was as follows:

0 degree: 98.4%
Circumferential scans: 94.5%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-02) was as follows:

Axial Scans: 99.7%
Circumferential Scans: 99.7%

Section 3.1.1 Detailed Preservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.15	1PZR-01-SE-03	1RY03AB-6"	I2R-48	NOTE 4		BMV	BMV	NRI
	MRP-139	PZR "B" SAFETY NOZZLE - SAFE END				100	SUR	PT	NRI
							VOL		IND.

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. Two recordable rounded indications (0.35 inch by 0.30 inch and 0.17 inch by 0.40 inch) were noted under Report 900638-PT-016. Both areas were buffed and reexamined by liquid penetrant and no relevant indications were noted under Report 900638-PT-019.

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-05-SW-5). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-05-SW-5) was as follows:

0 degree: 98.4%
Circumferential scans: 94.5%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle weld (1PZR-01-SE-03) was as follows:

Axial Scans: 99.7%
Circumferential Scans: 99.7%

R-A	R01.15	1PZR-01-SE-04	1RY03AC-6"	I2R-48	NOTE 4		BMV	BMV	NRI
	MRP-139	PZR "C" SAFETY NOZZLE - SAFE END					SUR	PT	IND.
								PT	NRI
							VOL		NRI

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. One recordable linear indication (0.50 inches long by 0.062 inches wide) was noted under Report 900638-PT-017. The area were buffed and reexamined by liquid penetrant and no relevant indications were noted under Report 900638-PT-020.

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-06-SW-6). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-06-SW-6) was as follows:

0 degree: 97%
Circumferential scans: 90%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-04) was as follows:

Axial Scans: 100%
Circumferential Scans: 100%

Section 3.1.1 Detailed Preservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1PZR-01-SE-05	1RY01B-6"	I2R-48	NOTE 4		BMV	BMV	NRI
	R01.15	PZR SPRAY NOZZLE - SAFE END				100	SUR	PT	NRI
	MRP-139						VOL		NRI

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/18/2007, acceptable per Report 900638-PT-024.

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-02-SW-2). Examinations performed included 0 degree, 33 degree refracted L-wave, 35 degree refracted L-wave, 40 degree refracted L-wave, 43 degree refracted L-wave, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-02-SW-2) was as follows:

0 degree: 98.9%
Circumferential scans: 97.5%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld 1PZR-01-SE-05 was as follows:

Axial Scans (both welds): 100%
Circumferential Scans (both welds): 100%

R-A	R01.15	1PZR-01-SE-06	1RY02A-6"	I2R-48	NOTE 4		BMV	BMV	NRI
	MRP-139	PZR RELIEF NOZZLE - SAFE END				100	SUR	PT	NRI
						See Below	VOL		NRI

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. No relevant indications were noted under Report 900638-PT-018.

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-03-SW-3). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-03-SW-3) was as follows:

0 degree: 96.3%
Circumferential scans: 92.4%
Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle and Safe End-to-Pipe welds was as follows:

Axial Scans (both welds): 100%
Circumferential Scans (both welds): 100%

Section 3.1.1 Detailed Preservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.11	1RC-05-01 PZR SAFE END - PIPE	1RY11A-14"	I2R-48	NOTE 4	100	VOL		NRI

Final ultrasonic examinations were performed on 10/12/2007 (Data Sheet A1R13-PN-01-SW-1). Examinations performed included 0 degree, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-01-SW-1) was as follows:

0 degree: 98.3%
Circumferential scans: 90.7%
Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Pipe Weld 1RC-05-01 was as follows:

Axial Scans (both welds): 100%
Circumferential Scans (both welds): 100%

R-A	R01.11	1RC-16-01 6"X4" REDUCER - SAFE END	1RY01C-4"	I2R-48	NOTE 4		VOL-E		NRI

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-02-SW-2). Examinations performed included 0 degree, 33 degree refracted L-wave, 35 degree refracted L-wave, 40 degree refracted L-wave, 43 degree refracted L-wave, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-02-SW-02) was as follows:

0 degree: 98.9%
Circumferential scans: 97.5%
Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Reducer Weld 1RC-16-01 was as follows:

Axial Scans (both welds): 100%
Circumferential Scans (both welds): 100%

R-A	R01.20	1RC-32-01 SAFE END - ELBOW	1RY03AA-6"	I2R-48	NOTE 4		VOL-E	PT	IND.

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-04-SW-4) was as follows:

0 degree: 98.4%
Circumferential scans: 94.5%
Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow weld (1RC-32-01) was as follows:

Safe End-to-Elbow
Axial Scans: 99.5%
Circumferential Scans: 99.5%

Section 3.1.1 Detailed Preservice Inspection Weld / Component Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection Comments									
R-A	R01.20	1RC-32-07 SAFE END - ELBOW	1RY03AB-6"	I2R-48	NOTE 4		VOL-E		IND.

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-05-SW-5). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-05-SW-5) was as follows:

0 degree: 97.9%
Circumferential scans: 90.1%
Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow weld (1RC-32-07) was as follows:

Axial Scans: 98.9%
Circumferential Scans: 98.8%

R-A	R01.20	1RC-32-13 SAFE END - ELBOW	1RY03AC-6"	I2R-48	NOTE 4		VOL-E		NRI

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-06-SW-6). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-06-SW-6) was as follows:

0 degree: 97%
Circumferential scans: 90%
Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow Weld (1RC-32-13) was as follows:

Axial Scans: 100%
Circumferential Scans: 100%

R-A	R01.20	1RC-35-01 SAFE END - ELBOW	1RY02A-6"	I2R-48	NOTE 4		VOL		NRI

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-03-SW-3). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-03-SW-3) was as follows:

0 degree: 96.3%
Circumferential scans: 92.4%
Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow (1RC-35-01) was as follows:

Axial Scans (both welds): 100%
Circumferential Scans (both welds): 100%

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY06095V (1) Variable Spring Can	1CV45B-2"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY06013V (1) Variable Spring Can	1RC24AA-4"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1AB-064A Anchor, integrally attached to pipe	1RH02AA-8"		NOTE 8	VT-3	NRI
F-A	F01.20	1RH01005V (1) Variable Spring Can	1RH03AA-8"		NOTE 8	VT-3	NRI
Cold: 364#		Hot: 348#					
As found setting (cold with system not in operation) is 350# at the indicator mark on the load setting scale. As found setting is acceptable. Reference design drawing M-999 (Component Support Installation Guidelines and Tolerances Sheet 12, Note 11B. The setting of constant / varible spring cans shall be within +/-5% (100 Lbs. Maximum) of the Hot Load / Cold Load specified by the A.E.							
F-A	F01.20	1RH07004R Box	1RH02AA-8"		NOTE 8	VT-3	NRI
Gaps not verified, buried in insulation.							

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY05001V (1) Variable Spring Can	1RY11A-14"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY05009V (1) Variable Spring Can	1RY11A-14"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY06024C (1) Constant Spring Can	1RY01B-6"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY06028C (1) Constant Spring Can	1RY01B-6"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY06101C (1) Constant Spring Can	1RY01B-6"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY09003C (1) Constant Spring Can	1RY02B-3"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY09030C (1) Constant Spring Can	1RY03AA-6"		NOTE 8	VT-3	NRI
Support interference to weld overlay project, clamp removed and reinstalled upon completion of overlay.							

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1PC-026A Anchor, integrally attached to pipe	1SI08D-3"		NOTE 8	VT-3	NRI
Note: Scope of examination included the portions of the specified penetration located outside the containment. Minor surface rust penetration (No wastage or loss of material)							
F-A	F01.20	1PC-050A Anchor, integrally attached to pipe	1SI05BA-8"		NOTE 8	VT-3	NRI
Minor surface rust identified. No evidence of wastage or loss of materials. Direct Exam Outside Containment, Remote Exam Inside Containment. Remote examination performed from a distance of 12' away from the 377' floor elevation and through grating at the 401' elevation (approximately 5' away).							
F-A	F01.10	1RB-315A Anchor, integrally attached to pipe	1SI08JB-1.5"		NOTE 8	VT-3	NRI
Note: Scope of examination included portions of penetration / anchorage accessible from area outside the missile barrier in the containment (Location 412' Elevation +3' between R-16 and R-17). Also examined area component inside missile barrier 401' + 13'							
F-A	F01.20	1RH02029R (1) Strut	1SI04B-12"		NOTE 8	VT-3	NRI
Note: Lower attachment (pipe clamp and forward strut attachment examined direct, upper attachment examined remote from a distance of 6' away)							
F-A	F01.20	1RH02031V (1) Variable Spring Can	1SI04B-12"		NOTE 8	VT-3	NRI
Cold: 2804 lbs. Hot: 2654 lbs. As found load setting: 2850 lbs. (As found setting is acceptable per design drawing M-999 Sheet 12 Note 11.B. (Component Support Installation Guidelines and Tolerances) which states: "The setting of constant / varible spring cans shall be within +/-5% (100 Lbs. Maximum) of the Hot / Cold Load specified by the A.E.							
F-A	F01.10	1SI04001V (2) Variable Spring Cans	1SI09BB-10"		NOTE 8	VT-3	NRI
Specified Variable Spring Settings per Design Drawing: Item 14: Cold Load setting 2364# / Hot Load setting 2336# Item 19: Cold Load setting 2223# / Hot Load setting 2195# As Found settings: Item 14 Cold Load 2280, Item 19 Cold Load 2250							
F-A	F01.20	1SI07008G Box	1SI08CA-4"		NOTE 8	VT-3	NRI
W: Minor Coating Damage (Chips and Scratches No corrosion or other degradation observed.)							
F-A	F01.20	1SI07011R (1) Strut	1SI08B-4"		NOTE 8	VT-3	NRI
F-A	F01.20	1SI09052G Box	1SI05BB-8"		NOTE 8	VT-3	NRI
F-A	F01.20	1SI18027R Box	1SI04A-12"		NOTE 8	VT-3	NRI
Minor indication of chipped coating in localized areas. No evidence of corrosion.							
F-A	F01.20	1SI18062X (1) Strut	1SI02BB-6"		NOTE 8	VT-3	NRI
F-A	F01.20	1SI18068R (1) Strut	1SI05AB-8"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1SI18070V (1) Variable Spring Can	1SI02BB-6"		NOTE 8	VT-3	NRI
Cold: 746 lbs.		Hot: 733 lbs.					
As Found Setting 740# (In tolerance per Design Drawing M-999 Sheet 12, Note 11.B (The setting of constant / varible spring cans shall be with +/-5% (100 Lbs. Maximum) of the Hot / Cold Load specified by the A.E.							
F-A	F01.10	1SI19015X Box	1SI08JB-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI19018G U-Bolt	1SI08JB-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI19022R (1) Strut	1SI08JB-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI20046R (1) Strut	1SI08JC-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI21016X (1) Strut	1SI08JC-1.5"		NOTE 8	VT-3	NRI
F-A	F01.20	1SI21031X (1) Strut	1SI08D-3"		NOTE 8	VT-3	NRI
Note: Lower attachment incluiding strut assembly and clamp examined direct. Upper attachments including auxillary steel examined remote from a distance of 5' away.							
F-A	F01.10	1SI21040G U-Bolt	1SI08HC-2"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI22022G U-Bolt	1SI08JD-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI22030R (1) Strut	1SI08JD-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI23003R Box	1SI08FA-3"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI23006G U-Bolt	1SI08FA-3"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI23009X (1) Strut	1SI08FA-3"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI23010G U-Bolt	1SI08FA-3"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI23011R (2) Struts	1SI08FA-3"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI24002G Strap	1SI08JA-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI24009R U-Bolt (with gap)	1SI08JA-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI24014X Box	1SI08JA-1.5"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1SI24015G Strap	1SI08JA-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI25052X (1) Strut	1SI08JB-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI25053R (1) Rod	1SI08HB-2"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI25055G (2) Struts	1SI08GB-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI25058G U-Bolt	1SI08JA-1.5"		NOTE 8	VT-3	NRI
F-A	F01.10	1SI25059X (1) Strut	1SI08FA-3"		NOTE 8	VT-3	NRI

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Essential Service Water System (SX)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1SX06001R (2) Struts	1SX06BA-16"		NOTE 8	VT-3	NRI
F-A	F01.20	1SX06004G (2) Struts	1SX06CA-14"		NOTE 8	VT-3	NRI
Corrosion, surface rust exists on components. No evidence of wastage or loss of material.							
F-A	F01.20	1SX06037X (1) Strut	1SX06FA-10"		NOTE 8	VT-3	NRI
In 1A RCFC							
F-A	F01.20	1SX08007G Slide Plate	1SX07EA-14"		NOTE 8	VT-3	NRI
Remote exam performed from 377' elevation (12' Away)							
Corrosion, surface rust exists on components, No evidence of wastage or loss of material.							
F-A	F01.20	1SX09012G Box and Strut	1SX07EB-14"		NOTE 8	VT-3	NRI
Corrosion, surface rust exists on components, No evidence wastage or loss of material.							
Remote examination performed from the 377' Elevation (14' Away)							
F-A	F01.20	1SX09013G Slide Plate	1SX07CB-10"		NOTE 8	VT-3	NRI
Corrosion, surface rust exists on components, No evidence of wastage or loss of material.							
Remote Examination Performed from the 377' elevation (distance of 13' away).							
F-A	F01.20	1SX09014R Slide Plate	1SX07CB-10"		NOTE 8	VT-3	NRI
Corrosion, surface rust exists on components, No evidence of wastage or loss of material.							
Remote Examination Performed from the 377' elevation (distance of 13' away).							
F-A	F01.20	1SX09044X (1) Strut	1SX09CB-10"		NOTE 8	VT-3	NRI
Corrosion, surface rust exists on components, No evidence of wastage or loss of material.							
F-A	F01.20	1SX09057X (1) Strut	1SX07FB-16"		NOTE 8	VT-3	NRI
In RCFC							
F-A	F01.20	1SX09101G (2) Struts	1SX07CD-10"		NOTE 8	VT-3	NRI
Corrosion, surface rust exists on components, No evidence of wastage or loss of material.							
F-A	F01.20	1SX09108G (2) Struts	1SX07CB-10"		NOTE 8	VT-3	NRI
Corrosion, surface rust exists on components, No evidence of wastage or loss of material.							

Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Primary Containment Purge System (VQ)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1VQ02001G Box	1VQ04A-8"			VT-3	NRI
F-A	F01.20	1VQ03001R Box	1VQ05A-8"			VT-3	NRI
ACTUAL EPN IS 1VQ03001G (BOX TYPE RIGID GUIDE)							

Section 3.2 Detailed Preservice Inspection Component Support Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY06095V (1) Variable Spring Can	1CV45B-2"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							

Section 3.2 Detailed Preservice Inspection Component Support Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY06013V (1) Variable Spring Can	1RC24AA-4"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							

Section 3.2 Detailed Preservice Inspection Component Support Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY05001V (1) Variable Spring Can	1RY11A-14"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY05009V (1) Variable Spring Can	1RY11A-14"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY06024C (1) Constant Spring Can	1RY01B-6"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY06028C (1) Constant Spring Can	1RY01B-6"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY06101C (1) Constant Spring Can	1RY01B-6"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY09003C (1) Constant Spring Can	1RY02B-3"		NOTE 8	VT-3	NRI
Post overlay VT-3 examination per Code Case N-504-2 requirements.							
F-A	F01.10	1RY09030C (1) Constant Spring Can	1RY03AA-6"		NOTE 8	VT-3	NRI
Support interference to weld overlay project, clamp removed and reinstalled upon completion of overlay.							

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1CV16008S Snubber	1CVA3AB-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV16009S Snubber	1CVA7AB-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV25009S Snubber	1CVA7AA-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV25052S Snubber	1CVA3B-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Main Steam System (MS)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1MS01074AS Snubber, integrally attached to pipe	1MS07AA-28"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	1MS01074BS Snubber, integrally attached to pipe	1MS07AA-28"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	1MS01079S Snubber, integrally attached to pipe	1MS07AA-28"	I2R-14		VT-3	NRI
F-A	F01.20	1MS01083AS Snubber, integrally attached to pipe	1MS07AD-28"	I2R-14		VT-3	NRI
F-A	F01.20	1MS01083BS Snubber, integrally attached to pipe	1MS07AD-28"	I2R-14		VT-3	NRI
F-A	F01.20	1MS01088S Snubber, integrally attached to pipe	1MS07AD-28"	I2R-14		VT-3 Functional Functional VT-3	NRI NRI NRI NRI
Snubber tested on 09/24/2007 was as found test for snubber that was installed (Serial Number 6042). This snubber was replaced for SLM purposes with serial number 41265. Baseline test for snubber with S.N. 41265 was performed on 09/03/2007. Reference W/O Number 909217. Recorded results are for the baseline test for S.N. 41265.							
F-A	F01.20	1MS01092AS Snubber, integrally attached to pipe	1MS07AB-28"	I2R-14		VT-3	NRI
F-A	F01.20	1MS01092BS Snubber, integrally attached to pipe	1MS07AB-28"	I2R-14		VT-3	NRI
F-A	F01.20	1MS01097S Snubber, integrally attached to pipe	1MS07AB-28"	I2R-14		VT-3	NRI
F-A	F01.20	1MS01101AS Snubber, integrally attached to pipe	1MS07AC-28"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Restested due to failure of other snubber in assembly during A1R12.							
F-A	F01.20	1MS01101BS Snubber, integrally attached to pipe	1MS07AC-28"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Retest of snubber that failed during A1R12.							
F-A	F01.20	1MS01106S Snubber, integrally attached to pipe	1MS07AC-28"	I2R-14		VT-3	NRI
F-A	F01.20	1MS05007AS Snubber, integrally attached to pipe	1MS01AA-30.25"	I2R-14		VT-3	NRI
F-A	F01.20	1MS05007BS Snubber, integrally attached to pipe	1MS01AA-30.25"	I2R-14		VT-3	NRI
F-A	F01.20	1MS06007AS Snubber, integrally attached to pipe	1MS01AB-32.75"	I2R-14		VT-3	NRI
F-A	F01.20	1MS06007BS Snubber, integrally attached to pipe	1MS01AB-32.75"	I2R-14		VT-3	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Main Steam System (MS)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1MS07006AS Snubber, integrally attached to pipe	1MS01AC-32.75"	I2R-14		VT-3	NRI
F-A	F01.20	1MS07006BS Snubber, integrally attached to pipe	1MS01AC-32.75"	I2R-14		VT-3	NRI
F-A	F01.20	1MS08007AS Snubber, integrally attached to pipe	1MS01AD-30.25"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	1MS08007BS Snubber, integrally attached to pipe	1MS01AD-30.25"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1CV15015S Snubber	1RC14AB-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV15039AS Snubber	1RC14AB-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Restest of A1R12 failure.							
F-A	F01.10	1CV15039BS Snubber	1RC14AB-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Restest of A1R12 failure.							
F-A	F01.10	1CV15111S Snubber	1RC14AB-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV24026S Snubber	1RC16AB-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV24027S Snubber	1RC16AB-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV24039S Snubber	1RC16AB-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV25001S Snubber	1RC14AD-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1CV25002S Snubber	1RC14AD-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV25034S Snubber	1RC14AD-2"	I2R-14		VT-3	NRI
F-A	F01.10	1CV25051S Snubber	1RC14AD-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1RC01006S Snubber	1RC21AA-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RC01007S Snubber	1RC21AA-8"	I2R-14		VT-3	NRI
F-A	F01.40	1RC01BA-A Snubber	S.G A	I2R-14		VT-3	NRI
F-A	F01.40	1RC01BA-B Snubber	S.G A	I2R-14		VT-3	NRI
F-A	F01.40	1RC01BB-A Snubber	S.G B	I2R-14		VT-3	NRI
F-A	F01.40	1RC01BB-B Snubber	S.G B	I2R-14		VT-3	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.40	1RC01BC-A Snubber	S.G C	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Snubber Functionally Tested Due To Function Failure of Snubber 1RC01BC-B (Sample Expansion)							
F-A	F01.40	1RC01BC-B Snubber	S.G C	I2R-14		VT-3 Functional Functional VT-3	NRI IND. NRI NRI
Snubber Failed To Meet Bleed Rate Test Acceptance Criteria In Tension Direction in the as-found condition. As found data was 4.88 IPM versus acceptance criteria of equal to or less than 0.30 IPM. FME in the control valve was the cause of failure. Reference Issue Reports 679631 and 687134. Recorded data in this panel is for the as left baseline test after repairs were completed. In accordance with TRM 3.7.b, functional test scope expansion was required, snubber 1RC01BD-A was selected for functional testing.							
F-A	F01.40	1RC01BD-A Snubber	S.G D	I2R-14		VT-3	NRI
F-A	F01.40	1RC01BD-B Snubber	S.G D	I2R-14		VT-3	NRI
F-A	F01.10	1RC02006AS Snubber	1RC21AB-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Restest due to A1R12 failure.							
F-A	F01.10	1RC02006BS Snubber	1RC21AB-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Retest due to A1R12 Failure							
F-A	F01.10	1RC02007S Snubber	1RC21AB-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RC02008S Snubber	1RC21AB-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RC03005S Snubber	1RC21AC-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RC03006S Snubber	1RC21AC-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RC03007S Snubber	1RC21AC-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RC03008S Snubber	1RC21AC-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RC04005S Snubber	1RC21AD-8"	I2R-14		VT-3	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RC16114S Snubber	1RC22AA-1.5"	I2R-14		VT-3 Functional Functional VT-3	NRI NRI NRI NRI
Snubber tested on 10/06/2007 was as found test for snubber that was installed (Serial Number 9466). This snubber was replaced for SLM purposes with serial number 42823. Baseline test for snubber with S.N. 42823 was performed on 09/21/2007. Reference W/O Number 917280. Recorded results are for the baseline test for S.N. 42823.							
F-A	F01.10	1RC16119S Snubber	1RC22AA-1.5"	I2R-14		VT-3	NRI
F-A	F01.10	1RC17052S Snubber	1RC22AB-1.5"	I2R-14		VT-3 Functional Functional VT-3	NRI NRI NRI NRI
Snubber tested on 10/06/2007 was as found test for snubber that was installed (Serial Number 8581). This snubber was replaced for SLM purposes with serial number 9573. Baseline test for snubber with S.N. 9573 was performed on 09/21/2007. Reference W/O Number 925919. Recorded results are for the baseline test for S.N. 9573.							
F-A	F01.10	1RC17058S Snubber	1RC22AB-1.5"	I2R-14		VT-3	NRI
F-A	F01.10	1RC18034AS Snubber	1RC22AC-1.5"	I2R-14		VT-3	NRI
F-A	F01.10	1RC18034BS Snubber	1RC22AC-1.5"	I2R-14		VT-3	NRI
F-A	F01.10	1RC19042S Snubber	1RC22AD-1.5"	I2R-14		VT-3	NRI
F-A	F01.10	1RC19054S Snubber	1RC22AD-1.5"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06017S Snubber	1RC24AA-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06057S Snubber	1RC26A-2"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06091S Snubber	1RC26A-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Retest of A1R12 failure.							
F-A	F01.10	1RY06096S Snubber	1RC24AA-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06153S Snubber	1RC24AB-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06154S Snubber	1RC24AA-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06156S Snubber	1RC24AA-4"	I2R-14		VT-3	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RH02002S Snubber	1RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02003S Snubber	1RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02007S Snubber	1RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02008S Snubber	1RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02009S Snubber	1RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02012S Snubber	1RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02013S Snubber	1RH01AB-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02047S Snubber	1RH01AA-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02052S Snubber	1RH01AA-12"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1RH02054S Snubber	1RH01AA-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02058S Snubber	1RH01AA-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02059S Snubber	1RH01AA-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02068S Snubber	1RH01AA-12"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02205AS Snubber	1RH01AA-12"	I2R-14		VT-3	NRI
Distance examined 4'							
F-A	F01.10	1RH02205BS Snubber	1RH01AA-12"	I2R-14		VT-3	NRI
distance examined 4'							
F-A	F01.20	1RH04011S Snubber	1RH03AB-8"	I2R-14		VT-3	NRI
F-A	F01.20	1RH04012S Snubber	1RH03AB-8"	I2R-14		VT-3	NRI
F-A	F01.20	1RH08015S Snubber	1RH02AB-8"	I2R-14		VT-3	NRI

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY06012S Snubber	1RY01AB-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06022S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06026S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
Distance Examined 6'							
F-A	F01.10	1RY06027S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
Distance Examined 6'							
F-A	F01.10	1RY06029S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06030S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06031S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06033S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06034S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06047S Snubber	1RY18A-2"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06059S Snubber	1RY01AA-4"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1RY06080S Snubber	1RY01AA-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06082S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06110S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06118S Snubber	1RY01B-6"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06121S Snubber	1RY01AA-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY06124S Snubber	1RY18A-2"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1RY06126S Snubber	1RY01AB-4"	I2R-14		VT-3	NRI
F-A	F01.10	1RY09005S Snubber	1RY02B-3"	I2R-14		VT-3	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RY09012S Snubber	1RY06A-3"	I2R-14		VT-3	NRI
F-A	F01.10	1RY09077S Snubber	1RY02B-3"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
Functionally tested for SLM (Snubber was removed to eliminate interference for SWOL Work). Opportunity was taken to test the snubber.							
F-A	F01.10	1RY09078S Snubber	1RY06A-3"	I2R-14		VT-3	NRI
F-A	F01.10	1RY09100S Snubber	1RY02B-3"	I2R-14		VT-3	NRI
F-A	F01.10	1RY09101S Snubber	1RY06A-3"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1RH02018S Snubber	1SI04D-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02019S Snubber	1SI04D-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02023S Snubber	1SI04D-8"	I2R-14		VT-3	NRI
F-A	F01.20	1RH02027S Snubber	1SI04C-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02061S Snubber	1SI04D-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1RH02066S Snubber	1SIA4B-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02067S Snubber	1SI04D-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02069S Snubber	1SI04D-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02078S Snubber	1SIA4B-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02079S Snubber	1SIA4B-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02080S Snubber	1SI04D-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1RH02081S Snubber	1SI04B-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02082S Snubber	1SIA4B-8"	I2R-14		VT-3	NRI
F-A	F01.10	1RH02083S Snubber	1SIA4B-8"	I2R-14		VT-3	NRI
F-A	F01.20	1RH02206S Snubber	1SIA4A-8"	I2R-14		VT-3	NRI
F-A	F01.10	1SI01002S Snubber	1SI09BA-10"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	NA	1SI01003S Snubber	1SI09BA-10"	I2R-14		VT-3	NRI
F-A	NA	1SI01004S Snubber Distance Examined 6'	1SI09BA-10"	I2R-14		VT-3	NRI
F-A	NA	1SI01006S Snubber	1SI09BA-10"	I2R-14		VT-3	NRI

Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	NA	1SI01007S Snubber	1SI09BA-10"	I2R-14		VT-3	NRI
F-A	NA	1SI01009S Snubber	1SI09BA-10"	I2R-14		VT-3	NRI
F-A	F01.10	1SI01018S Snubber	1SI05DA-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI01020S Snubber	1SI05DA-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI01021S Snubber	1SI05DA-6"	I2R-14		VT-3	NRI
F-A	F01.20	1SI01025S Snubber	1SI05CA-8"	I2R-14		VT-3	NRI
F-A	F01.10	1SI01029S Snubber	1SI05DA-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI01030S Snubber	1SI05DA-6"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	1SI01032S Snubber	1SI09AA-10"	I2R-14		VT-3	NRI
F-A	F01.10	1SI01034S Snubber	1SI05DA-6"	I2R-14		VT-3	NRI
F-A	F01.20	1SI01035S Snubber	1SI05CA-8"	I2R-14		VT-3	NRI
F-A	F01.20	1SI02003S Snubber	1SI05CA-8"	I2R-14		VT-3	NRI
F-A	F01.20	1SI03003S Snubber	1SI05CA-8"	I2R-14		VT-3	NRI
F-A	F01.20	1SI03006S Snubber	1SI05CA-8"	I2R-14		VT-3	NRI
F-A	F01.20	1SI03007S Snubber	1SI05CA-8"	I2R-14		VT-3	NRI
F-A	F01.20	1SI03009S Snubber	1SI05CA-8"	I2R-14		VT-3	NRI
F-A	F01.10	1SI03016S Snubber	1SI05DD-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI03018S Snubber	1SI05DD-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI03020S Snubber	1SI05DD-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI03021S Snubber	1SI05DD-6"	I2R-14		VT-3	NRI

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.10	1SI03023S Snubber	1SI09BD-10"	I2R-14		VT-3	NRI
F-A	F01.10	1SI03024S Snubber	1SI09BD-10"	I2R-14		VT-3	NRI
F-A	F01.10	1SI03025S Snubber	1SI09BD-10"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1SI03042S Snubber	1SI05DD-6"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1SI03046AS Snubber	1SI05DD-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI03046BS Snubber	1SI05DD-6"	I2R-14		VT-3	NRI
As Found Settings: 1 1/2 & 1 3/4 Double Snubber							
F-A	F01.10	1SI04003S Snubber	1SI09BB-10"	I2R-14		VT-3	NRI
F-A	F01.10	1SI04016S Snubber	1SI05DB-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI04017S Snubber	1SI05DB-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI04019S Snubber	1SI05DB-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI04020S Snubber	1SI05DB-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI04022S Snubber	1SI05DB-6"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	1SI04024S Snubber	1SI05CB-8"	I2R-14		VT-3	NRI
F-A	F01.20	1SI04026S Snubber	1SI05CB-8"	I2R-14		VT-3	NRI
F-A	F01.20	1SI04030S Snubber	1SI05CB-8"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.20	1SI09002S Snubber	1SI05CB-8"	I2R-14		VT-3	NRI
Distance Examined 6'							
F-A	F01.20	1SI09004S Snubber	1SI05CB-8"	I2R-14		VT-3	NRI
Distance Examined 6'							

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SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
F-A	F01.20	1SI09006S Snubber	1SI05CB-8"	I2R-14		VT-3	NRI
Distance Examined 6'							
F-A	F01.20	1SI09009S Snubber	1SI05CB-8"	I2R-14		VT-3	NRI
Remote Exam (10' Away)							
F-A	F01.10	1SI09013S Snubber	1SI05DC-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI09015AS Snubber	1SI05DC-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI09015BS Snubber	1SI05DC-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI09020S Snubber	1SI09BC-10"	I2R-14		VT-3	NRI
F-A	F01.10	1SI09021S Snubber	1SI09BC-10"	I2R-14		VT-3 Functional VT-3	NRI NRI NRI
F-A	F01.10	1SI09037S Snubber	1SI05DC-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI09038AS Snubber	1SI05DC-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI09038BS Snubber	1SI05DC-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI09039S Snubber	1SI05DC-6"	I2R-14		VT-3	NRI
F-A	F01.20	1SI09043S Snubber	1SI05CB-8"	I2R-14		VT-3	NRI
Distance Examined 6'							
F-A	F01.20	1SI16010S Snubber	1SI18DB-4"	I2R-14		VT-3	NRI
F-A	F01.10	1SI16029S Snubber	1SI18FC-2"	I2R-14		VT-3	NRI
F-A	F01.20	1SI18049S Snubber	1SI02BA-6"	I2R-14		VT-3	NRI
F-A	F01.20	1SI18086S Snubber	1SI02BB-6"	I2R-14		VT-3	NRI
F-A	F01.10	1SI24012S Snubber	1SI08JA-1.5"	I2R-14		VT-3	NRI
Distance Examined 4'							

Section 3.3.1 Snubber Preservice Inspection Listing

(Page 1 of 4)

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Section XI Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
NA	NA	1CV13054S Snubber	1CV43BC-2"	I2R-14		Functional VT-3	NRI NRI
Pulled existing PSA 1/4 mechanical snubber (Serial Number 14985) and replaced with functionally tested spare (Serial Number 2092) as part of snubber service life monitoring program.							
NA	NA	1CV34008S Snubber	1CV14EA-2"	I2R-14		Functional VT-3	NRI NRI
Pulled existing PSA 1/4 mechanical snubber (Serial Number 21593) and replaced with functionally tested spare (Serial Number 42818) as part of snubber service life monitoring program.							

Section 3.3.1 Snubber Preservice Inspection Listing

(Page 2 of 4)

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	1MS01088S	1MS07AD-28"	I2R-14		Functional	NRI
		Snubber, integrally attached to pipe				VT-3	NRI
Pulled existing PSA 10 mechanical snubber (Serial Number 6042) and replaced with functionally tested spare (Serial Number 41265) as part of snubber service life monitoring program.							

Section 3.3.1 Snubber Preservice Inspection Listing

(Page 3 of 4)

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	F01.40	1RC01BC-B Snubber	S.G C	I2R-14		Functional VT-3	NRI NRI
Exising hydraulic snubber (Boeing, Serial Number 21) failed Bleed Rate Test. Existing snubber control valve was replaced, and snubber was functionally tested again (acceptable). FME in the control valve was the cause of failure. Reference Issue Reports 679631 and 687134.							
F-A	F01.10	1RC16114S Snubber	1RC22AA-1.5"	I2R-14		Functional VT-3	NRI NRI
Pulled existing PSA 1/4 mechanical snubber (Serial Number 9466) and replaced with functionally tested spare (Serial Number 42823) as part of snubber service life monitoring program.							
F-A	F01.10	1RC17052S Snubber	1RC22AB-1.5"	I2R-14		Functional VT-3	NRI NRI
Pulled existing PSA 1/2 mechanical snubber (Serial Number 8581) and replaced with functionally tested spare (Serial Number 9573) as part of snubber service life monitoring program.							

Section 3.3.1 Snubber Preservice Inspection Listing

(Page 4 of 4)

SYSTEM: Steam Generator Blowdown System (SD)

Section XI Cat.	Section XI Item	ISI Identifier Description	Line Number / EPN	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments							
NA	NA	1SD23089S Snubber	1SD01CG-2"	I2R-14		Functional VT-3	NRI NRI
Pulled existing PSA 1/2 mechanical snubber (Serial Number 3486) and replaced with functionally tested spare (Serial Number 8045) as part of snubber service life monitoring program.							
NA	NA	1SD23093S Snubber	1SD01CG-2"	I2R-14		Functional VT-3	NRI NRI
Existing PSA 1/4 mechanical snubber (Serial Number 10395) failed to meet drag test acceptance criteria (reference Issue Report Number 662727). Snubber was replaced with functionally tested spare (Serial Number 7487).							

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing

(Page 1 of 4)

SYSTEM: Auxiliary Feedwater System (AF)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
C-H	C07.40	A01AF-000005-M04-02C	I2R-05	NOTE17	VT-2	IND.
	C07.80	10 Year Interval ASME Section XI Pressure Test.	I2R-13			

AF portions completed 7/23/2007 and 9/29/2007. Substantial accumulation of mineral deposit noted on Line 1AF02EB-4" on 9/29/2007, reference IR 677540.

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing

(Page 2 of 4)

SYSTEM: Instrument Air System (IA)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
C-H	C07.30	A01IA-000004-M04-01A	I2R-05		VT-2	NRI
	C07.70	40 Month Period ASME Section XI Pressure Test. Verify Continuous Leak Detection System for Airlock is in operation prior to performing SNOOP or Ultraprobe examination of test boundary. Ten-year test boundary is same as periodic test boundary, archived ten-year boundary.	I2R-13			

No evidence of leakage noted during Snoop examination.

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing

(Page 3 of 4)

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	A01SI-000005-M04-02A	I2R-05	NOTE13	VT-2	NRI
	C07.60	10 Year Interval ASME Section XI Pressure Test.	I2R-12	NOTE17		
	C07.80		I2R-13			
Completed during ascending Mode 3 walk down under Surveillance 1BwVSR TRM 3.4.F.2-SI.4.						
C-H	C07.40	A01SI-000005-M04-02H	I2R-05	NOTE13	VT-2	NRI
	C07.80	10 Year Interval ASME Section XI Pressure Test.	I2R-12	NOTE17		
			I2R-13			
Remaining portions of Test Block not examined during A1R12. Examination was performed in conjunction with flow balancing of system under 1BwVSR 2.5.c.1.						

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing

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SYSTEM: Plant Systems Pressurized During Mode 3 (ZZ)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
B-P	B15.11	A01ZZ-000005-M04-02A	I2R-05	NOTE13	VT-2	NRI
	B15.21	10 Year Interval ASME Section XI Pressure Test.	I2R-12	NOTE14		NRI
	B15.31	Freeze seal required on Line 1CV45B to inspect 1RY18A.	I2R-13	NOTE17		NRI
	B15.51		I2R-30			NRI
	B15.61/71		I2R-31			
In addition to the normal Class 1 ascending Mode 3 walk downs (WO# 930278-01), the following were completed during A1R13:						
RH system piping under 1BwVSR TRM 3.4.F.2-RH.2 (WO# 967321-05)						
RCS Loop Fill piping downstream of 1CV184						
Safety Injection Cold Leg Injection under 1BwVSR TRM 3.4.F.s-SI.4 (WO# 983722-01)						
Normally isolated Class 1 piping under 1BwVSR TRM 3.4.F.2-RC.1 (WO# 1053190-01)						
RPV head vent piping between Valves 1RC14A/C and 1RC14B/D (WO# 983725-01)						
C-H	C07.20	A01ZZ-000005-M04-02B	I2R-05	NOTE13	VT-2	NRI
	C07.40	10 Year Interval ASME Section XI Pressure Test.	I2R-12	NOTE17		
	C07.80	All Code Class 2 Components inside Containment. VT-2 Visual Inspection of components outside of Missle Barrier may be performed during Mode 1 if conditions permit.	I2R-13			
Remaining portions of Test Block not examined during A2R12.						
C-H	C07.20	A01ZZ-000005-M04-02C	I2R-05	NOTE17	VT-2	NRI
	C07.40	10 Year Interval ASME Section XI Pressure Test.	I2R-12			NRI
	C07.80	Code Class 2 components outside containment which are normally pressurized during Mode 1-3.	I2R-13			
C-H	C07.10	A01ZZ-000078-M04-03A	I2R-05	NOTE13	VT-2	IND.
	C07.30	40 Month Period ASME Section XI Pressure Test.	I2R-12			
	C07.70	All Code Class 2 components inside containment. VT-2 Visual Inspection of components outside Missle Barrier may be performed during Mode 1 if conditions permit.	I2R-13			
Two minor leaks were observed during post A1R13 walk down:						
A 1.5 drop per minute leak was observed on a fitting associated with 1PT-RC011 (reference IR 689186).						
A 1 drop per two minute leak was observed at a fitting associated with 1LT-0461 (reference IR 689187).						

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
C-H	C07.30	1A-CV-10 F-2-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
Reference Work Order 930281-01						
C-H	C07.10	1CV04AA (C-H)	I2R-12		VT-2	NRI
	C07.20	1CV04AA HX (28 STUDS)	I2R-13			
Reference Work Order 930281-01						
C-H	C07.30	1CV-10 F-3-2 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (8 STUDS)	I2R-13			
Reference Work Order 930281-01						
B-P	B15.50	PG-2546C-014 F-2-2 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
C-H	C07.30	PG-2546C-022 F-2-3 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
C-H	C07.30	PG-2546C-062 F-2-3 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
C-H	C07.30	PG-2546C-069 F-1-2 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
C-H	C07.30	PG-2546C-070 F-2-3 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
C-H	C07.30	PG-2546C-085 F-2-2 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
B-P	B15.50	PG-2546C-091 F-2-3 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
B-P	B15.50	PG-2546C-101 F-2-3 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Pressurizer (PZR)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
B-P	B15.20	1PZR-01-B1 (B-P)	I2R-12		VT-2	NRI
	B15.21	MANWAY BOLTING (16 TOTAL)	I2R-13			
Reference Work Order 927352-01						

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

(Page 3 of 4)

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
B-P	B15.50	1RC-19-B3 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
B-P	B15.50	1RC-20-B1 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
B-P	B15.50	1RC-23-B1 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
B-P	B15.50	1RC-27-B1 (B-P)	I2R-12		VT-2	NRI
	B15.51	FLANGED CONNECTION (4 STUDS)	I2R-13			
Reference Work Order 927352-01						
B-P	B15.30	1SG-05-SGB-01 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						
B-P	B15.30	1SG-05-SGB-02 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						
B-P	B15.30	1SG-06-SGB-01 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						
B-P	B15.30	1SG-06-SGB-02 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						
B-P	B15.30	1SG-07-SGB-01 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						
B-P	B15.30	1SG-07-SGB-02 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						
B-P	B15.30	1SG-08-SGB-01 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						
B-P	B15.30	1SG-08-SGB-02 (B-P)	I2R-13		VT-2	NRI
	B15.31	PRIMARY MANWAY (20 STUDS)	I2R-31			
Reference Work Order 927352-01						

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection Comments						
C-H	C07.30	1A-RH-04 F-1-1 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (24 STUDS)	I2R-13			
Reference Work Order 930281-01						
C-H	C07.30	1A-RH-04 F-3 (C-H)	I2R-12		VT-2	NRI
	C07.40	FLANGED CONNECTION (12 STUDS)	I2R-13			
Reference Work Order 930281-01						

4.0 Code N-513-1 Evaluation

A through-wall leak of approximately initially described as one pint per minute was discovered on Line 0SX01CF-30" (reference Issue Report 706376 dated 12/3/2007). Code Case N-513-1 was invoked to address corrective actions for this identified leak. Section 2.*0(i)* requires evaluations and examinations associated with use of the Code Case be documented in accordance with IWA-6300 and on the applicable data report form. This line is classified as Section XI Class 3. Class 3 repairs and replacements and associated Code data report forms are not included into the post outage inspection summary report per IWA-*6210(c)*, so this section has been added to the post outage inspection report to address the reporting requirements of the Code Case. The subject line Operability Evaluation 07-010 was performed to evaluate the observed leakage. The text that follows is taken from the Operability Evaluation.

A design analysis was performed per Code Case N-513-1. This Code Case provides a methodology for evaluating flaws in ASME Class 2 and 3 moderate energy piping (i.e., piping whose maximum operating temperature does not exceed 200 degrees F and whose maximum operating pressure does not exceed 275 psig). The structural integrity evaluation (Calculation BRDW-06Q-301 Revision 1) has determined the allowable through-wall flaw sizes based on several different uniform wall thicknesses. The analysis conservatively assumes that the entire pipe is internally thinned to the analyzed thickness. The allowed flaw size (4.8 inches, circumferential, by 17.2 inches, axial) was determined for an average adjacent pipe wall thickness of 0.2 inches.

The UT data on the SX pipe show an average wall thickness in excess of 0.2 inches and the size of the flaw has been estimated at 1/4-inch diameter hole. Thus, the structural integrity of line 0SX01XCF-30" is maintained.

The adverse condition monitoring plan requires Engineering to be notified if the flaw increases to a 1-inch diameter in size. The implementation of this ACM ensures the flaw size remains within the boundary of the design analysis.

Flooding

From an equipment operability standpoint, the leakage volume does not need to be re-routed.
The leakage volume would fill the valve pit and it would overflow to the floor slab elevation of the Circulating Water pumps. No safety related equipment that would be damaged by the overflowing water is located at this elevation.

Effects on Adjacent Equipment

The leakage spray volume can reach a number of manual components; valve 0SX115F and chemical feed equipment. Valve 0SX115F is a manual, normally open gate valve; the water spray from the leak will not affect the required open position of the valve. This valve is not required to be manipulated by plant emergency procedures, but it does need to be closed to permit inspection of the 2C Forebay as part of procedure BwMP 3300-091. The chemical feed components do not need manipulation in any emergency conditions, but may need to be manipulated as part of normal operating procedures. If the SX valve and the chemical feed components need to be manipulated, the flood volume inside the pit needs to be pumped-out.

Loss of SX Volume Through the Flaw

The amount of leakage through the flaw is small. In addition, the through wall leakage is located on the suction side of the SX pumps; thus, the leakage flow rate does not affect the discharge flow of the SX pumps. The only impact is loss of volume from the lake.

This limiting factor would translate in a significant leakage flow that could be tolerated as explained below.

The potential issue with losing lake volume is that the water depletion does not lower the water level as to impact the Net Positive Suction Head for the SX pumps.

The NPSH available for the SX pumps is verified acceptable in calculation #SX1-85 and outstanding minor revisions. The NPSH available has been verified to be acceptable (Available NPSH is 44.97 ft while the required NPSH is 36 ft) assuming a water level of 588.3 ft in the Ultimate Heat Sink (This level is lower than the minimum required Technical Specification level of 590 ft). A total volume loss in excess of 3.3 million cubic ft would be needed to lower the UHS water level from 588 ft to 587 ft; this one ft reduction keeps the available NPSH adequate. A volume loss of 3.3 million cubic ft (Reference calculation ATD-109) translates in a leakage flow rate in excess of 76 ft^3/min (or 571 gpm) for continuous 30 day period.

The leakage rate of the flaw has been estimated to be approximately 8 gpm. This was based on a comparison to the theoretical discharge flow value through a 1/4-inch nozzle with a head pressure of 15 psi, (34.6 ft). Note that the adverse condition-monitoring plan (ACM) was written to monitor this leakage rate on a daily basis to confirm that the conditions stay within the limitations of this operability evaluation and the pipeline structural integrity calculation. Since an increase of flaw size translates into an increase in leakage flow, the ACM requires Engineering to be notified if the flaw size increases to a one (1) inch diameter in size, which is equivalent to a leakage rate of approximately 116 gpm. This leakage rate is significant lower than the acceptable volume loss of the Ultimate Heat Sink, even if left to leak for the UHS mission time of 30 days.

Operability

Based on the above arguments, the SX system remains operable with the through-wall flaw in line 0SX01CF-30".

5.0 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 1 4. Owner Certificate of Authorization (if required) Not Applicable

5. Commercial Service Date 7/29/1988 6. National Board Number for Unit N-195

7. Components Inspected See Section 3 of this report for all components (report is a total of 136 pages).

Component or Appurtenance	Manufacturer Or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel 1RC01R	Babcock & Wilcox	640-0014-52	B-24360	N-195
Pressurizer 1RY01S	Westinghouse	2101	U-199012	18696
Steam Generator 1RC01BA	ComEd / BWI	7735-01	U-237763	168
Steam Generator 1RC01BB	ComEd / BWI	7735-03	U-237761	170
Steam Generator 1RC01BC	ComEd / BWI	7735-02	U-237762	169
Steam Generator 1RC01BD	ComEd / BWI	7735-04	U-237760	171
Heat Exchanger 1RH02AA	Joseph Oat Corporation	2267-1H	U-199322	841
Heat Exchanger 1RH02AB	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.

See Section 4.0 of report for discussion of through-wall Class 3 leakage on Line 0SX01CF-30" evaluated in accordance with Code Case N-513-1.

FORM NIS-1 (Back)

8. Examination Dates: July 18, 2006 to January 2, 2008

9. Inspection Period Identification: 3rd Period - From July 29, 2005 through July 28, 2009*

* In order to support a limited amount of remaining examinations, one year has been added to interval end date as allowed by IWB-2412*(b)*.

10. Inspection Interval Identification: 2nd Interval - From July 29, 1998 through July 28, 2009*

* In order to support a limited amount of remaining examinations, one year has been added to interval end date as allowed by IWB-2412*(b)*.

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

12. Date/Revision of Inspection Plan: September 17, 2007 / Revision 10a

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 1/17 20 08 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 7-18-06 to 1-2-08 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#18756, IL# 1085 "N" "I"

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

Date 1-17- 20 08

6.0 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)(C)-(E) and 10CFR 50.55a(b)(2)(ix)(A)-(D). 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.

6.1 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). The Unit 1 examinations were not completed at the time the A1R12 IWA-6000 report was submitted. Examination results for conditions described under 10 CFR 50.55a(b)(2)(viii)(D)*(1)* were available for inclusion into the A1R12 outage summary report (ADAMS Accession Numbers ML062090368 and ML062090372).

The presence of grease leakage observed during the general visual examination was the only 10 CFR 50.55a(b)(2)(viii)(D) reportable condition identified since the last outage summary report was submitted.

One area of grease leakage was identified during the general visual of the containment surfaces (reference Issue Report 518036) 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 east face of the Unit 1 containment structure at the upper right hand corner of the area where the containment opening was made to support the Unit 1 steam generator replacement in 1998. The indication was detected using a telescope demonstrated in accordance with ASME Section XI. The indication is characterized as a crack running diagonally approximately 12 inches. A film of tendon grease exists adjacent to both sides of the crack. The indication 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 was performed in August 2007 with no adverse changes noted. Another follow-up examination is scheduled for August 2008, tracked under ATI 518036-03.

One additional area of grease leakage that did not exist during the 2006 inspection was observed after a subsequent comparison of IWL examination results was performed in November of 2007 (reference Issue Report 696361). The location of the indication is outdoors and is located within a horizontal construction joint approximately 30 feet to the south of the 1B/1C MISV Rooms, approximately 35 feet above ground level. The leakage is in the form of a film/stain within the construction joint and on the surface of the wall. The surface area of this indication is approximately 18 inches long by six inches wide. This leakage likely occurred during the summer months when the sheathing filler grease becomes more viscous and will propagate through small cracks or voids. This indication was evaluated by the site Registered Professional Engineer and was deemed to have a negligible impact on the structural integrity of the containment. A follow-up examination has been scheduled for August 2008, tracked under ATI 696361-02.

6.2 A1R13 Containment Metal Liner Examinations (IWE)

The remaining second interval scheduled Section XI IWE examinations of the Class CC liner, including the VT-3 surface examination of all accessible surface areas (Examination Category E-A) and VT-1 of pressure retaining bolting (Examination Category E-G), were performed in accordance with the requirements of ASME Section XI, Table IWE-2500-1.

Exelon Procedures ER-AA-330-007, *"Visual Examination of ASME Section XI Class MC Surfaces and Class CC Liners"* and 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"* were used to perform the examinations.

There were no indications or evidence of degradation observed during the A1R13 inspections that require reporting under 10CFR 50.55a(b)(2)(ix)(A)-(D).

7.0 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)	-	3
Chemical & Volume Control (CV)	-	5
Main Steam (MS)	-	3
Reactor Coolant (RC)	4	1
Residual Heat Removal (RH)	-	3
Reactor Pressurizer (RY)	8	-
Safety Injection (SI)	8	18
Steam Generator Blowdown (SD)	-	2

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

Total NIS-2 Forms	**56**
Total Pages	**56**

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 10/31/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00951867-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

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

4. Identification of System: Auxiliary Feed Water (AF) (Class 2 Portion of 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: 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)
Bolted Connection AF-13-F-1	Phillip, Getschow Co.	Not Recorded	Not Applicable	Lines 1AF02ED-4"/ 1FW06AD-4"	Not Applicable	Replaced	No
1 1/8"-8 heavy hex nuts	Nova Machine Products/ AUGE Industrial Fasteners	Heat 223469 Lot Lot 50046994 Trace Code J858	Not Applicable	Cat ID 5863-1 UTCs 2670462 and 2688513	2002	Replacement	No
1 1/8"-8 threaded rod (bolting)	Nova Machine Products	Heat 15192 Lot 40081930 Trace Code J533	Not Applicable	Cat ID 37102-1 UTC 2678521	2003	Replacement	No

7. Description of Work: Replaced existing flange bolting materials during spectacle flange gasket replacement.

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

9. Remarks: Leak check examination was performed and accepted on 10/25/2007. 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 10/31, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 1/4/2007 to 10/31/2007, 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 10-31, 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 11/6/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #01049746-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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	Anderson, Greenwood & Co.	A1078	Not Applicable	1AF014D	Not Recorded	Replaced	Yes
4" 900# Class Check Valve	Anderson Greenwood Crosby	N99710-00-0013	Not Applicable	Cat ID 1400910-1 UTC 2744832	2006	Replacement	Yes

7. Description of Work: Replaced existing check valve with new check valve assembly. Seat leakage test was performed prior to installation under WO 900405-04.

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

   Other ☒ Pressure 1313 psig Test Temp. 87 °F

9. Remarks: VT-2 exam performed and accepted on 10/25/2007. Applicable Manufacturer's Data Report (Form NPV-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 11/6, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/1/2007 to 11/6/2007, 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 11-6- 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 11/6/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #01050542-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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	Anderson, Greenwood & Co.	A1081	Not Applicable	1AF014H	Not Recorded	Replaced	Yes
4" 900# Class Check Valve	Anderson Greenwood Crosby	N99710-00-0012	Not Applicable	Cat ID 1400910-1 UTC 2744831	2006	Replacement	Yes

7. Description of Work: Replaced existing check valve with new check valve assembly. Seat leakage test was performed prior to installation under WO 900400-04.

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

   Other ☒ Pressure 1313 psig Test Temp. 87 °F

9. Remarks: VT-2 exam performed and accepted on 10/25/2007. Applicable Manufacturer's Data Report (Form NPV-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 11/6, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/1/2007 to 11/6/2007, 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 11-6, 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00917278-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

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

4. Identification of System: Chemical Volume and Control (CV) Class 2 portion of 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 1CV34008S	ITT Grinnell	S/N 21593	Not Applicable	1CV34008S	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber	Basic-PSA	S/N 42818	Not Applicable	Cat ID 27625-1 UTC 2774272	2007	Replacement	No

7. Description of Work: Replaced existing snubber that exhibited degraded performance during A1R12 outage functional test (reference Issue Report 484706). 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 Report 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 10/23, 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 12/11/2006 to 10/23/2007, 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 10-23-, 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 11/19/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00855000-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 (1/8" Diameter) for Body-to-Bonnet Seal Weld for Valve 1CV8368C	Arcos Alloys	Lot DT6396	N/A	Cat ID 8500-1 UTC 2033348	1992	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 2244.3 psig Test Temp. 91 °F

9. Remarks: Although exempt from pressure test per IWA-4700*(b)(3)*, no leakage observed during VT-2 examination performed during ascending Mode 3 walk down (Test Block A01ZZ-000078-M04-03A) on 10/25/2007. Pressure from Class 1 surveillance, temperature from VCT. 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 11/19, 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 3/27/2007 to 11/19/2007, 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 11-20, 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 11/21/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00917277-01
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 36400 S. Essex Road, Wilmington, IL 60481

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

4. Identification of System: Chemical Volume & Control (CV) Class 2 portion of 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-18 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 1CV13054S	ITT Grinnell	S/N 14985	Not Applicable	1CV13054S	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber	ITT Grinnell	S/N 2092	Not Applicable	Cat ID 27625-1 UTC 2704784	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that passed A1R12 functional test, but exhibited some degradation (reference Issue Report 484694). 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 11/21, 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 12/12/2006 to 11/21/2007, 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 11-26- 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 11/26/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00919686-01
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 1CV8149C internals	Copes Vulcan	Not Recorded	Not Applicable	Valve 1CV8149C	Unknown	Replaced	No
Valve trim kit (consists of plug, stem and cage)	SPX Valves & Controls	Valve Trim Kit Set 0621-125051-1-1 (0603)	Not Applicable	Cat ID 35955-1 UTC 2746893	2006	Replacement	No
		Plug Serial Number 603, Heat 60958					

7. Description of Work: Replaced existing valve trim kit with new trim kit during valve maintenance. Valve was leaking by 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 10/25/2007 (Test Block A01ZZ-000078-M04-03A, WO# 930279-01). 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 11/26, 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 4/9/2007 to 11/26/2007, 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 11-27-, 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 12/19/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00792622-03
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 36400 S. Essex Road, Wilmington, IL 60481

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 1CV8119	Crosby	Not Recorded	Not Applicable	1CV8119	Not Recorded	Replaced	Yes
Crosby Relief Valve (2" diameter inlet)	Anderson Greenwood Crosby	N56901-04-0038	Not Applicable	Cat ID 1417018-1* UTC 2788285	2007	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 1CV8119 was increased to 255 psig requiring the assignment of a new Cat ID. The existing relief valve was sent to Tyco Valves & Controls (Crosby Division) under Purchase Order 386 Release 11880 to modify the valve (increasing the set pressure required replacement of existing spring and spring washers).

Reference Issue Report 713549 for work package being closed out prior to completion of ER-AA-330-009 Attachment 3 and Form NIS-2.

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

Other ☒ Pressure 96 psig Test Temp. 88 °F

9. Remarks: VT-2 was performed on 10/24/2007, no evidence of leakage was noted. Applicable documentation (Form NV-1) 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 12/19, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/8/2007 to 12/19/2007, 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 12-19- 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 9/18/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00909217-01
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: Main Steam (MS) Class 2 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-10 Mechanical Snubber 1MS01088S	ITT Grinnell	S/N 6042	Not Applicable	1MS01088S	Not Recorded	Replaced	No
PSA-10 Mechanical Snubber	Basic-PSA, Inc.	S/N 41265	Not Applicable	Cat ID 27676-1 UTC 2052208	2000	Replacement	No

7. Description of Work: Replaced existing snubber that exhibited degraded performance during functional test prior to A1R12 outage (reference Issue Report 469555). 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 examination of snubber was performed after reinstallation. Applicable Manufacturer's Data Reports 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 10/30, 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 7/12/2007 to 9/18/2007, 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 10-30, 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 10/31/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #01066978-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 1MS016D Serial Number BR09645/ Cat ID 138867-1/ UTC 2669769	Unknown	Replaced	Yes (Valve)
6" Safety Relief Valve Main Disc	Dresser	ADE70	Not Applicable	Cat ID 1387627-1 UTC 2780097	2001	Replacement	No

7. Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00427020 Revision 1. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE70) provided by Exelon. Valve was reinstalled back to same position.

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

   Other ☐ Pressure _____ psig Test Temp. _____ °F

9. Remarks: Section XI pressure testing not required, valve was leak checked on 10/25/2007. Applicable documentation for vendor report of repair/replacement (Form NVR-1) and replacement disc (N-2 Certificate) are contained in receipt package 128515 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 10/31, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/3/2007 to 10/31/2007, 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 10-31 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 10/31/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #01066980-01
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

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 1MS015D Serial Number BR09641/ Cat ID 138867-1/ UTC 2790697	Unknown	Replaced	Yes (Valve)
6" Safety Relief Valve Main Disc	Dresser	ADE44	Not Applicable	Cat ID 1387627-1 UTC 2780097	2001	Replacement	No

7. Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00427020 Revision 1. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE44) provided by Exelon. Valve was reinstalled back to same position.

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

   Other ☐ Pressure _____ psig Test Temp. _____ °F

9. Remarks: Section XI pressure testing not required, valve was leak checked on 10/25/2007. Applicable documentation for vendor report of repair/replacement (Form NVR-1) and replacement disc (N-2 Certificate) are contained in receipt package 128515 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 10/31, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/3/2007 to 10/31/2007, 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 10-31, 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00917280-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

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

4. Identification of System: Reactor Coolant (RC) Class 1 portion of 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 1RC16114S	ITT Grinnell	S/N 9466	Not Applicable	1RC16114S	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber	Basic-PSA	S/N 42823	Not Applicable	Cat ID 27625-1 UTC 2782234	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that exhibited degraded performance during A1R12 outage functional test (reference Issue Report 484709). 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 Report 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 10/23, 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 12/11/2006 to 10/23/2007, 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 10-23-, 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 10/30/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00926808-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

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

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

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1976 Addenda, Code Cases: None
(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)
Control Valve of Hydraulic Snubber 1RC01BC-B	Boeing	Snubber Assembly Serial Number 21	Not Applicable	1RC01BC-B	Not Recorded	Replaced	No
Control Valve Assembly (Part D275-N0209-1, 2, 3)	Grinnell Corporation	45605-1	Not Applicable	Cat ID 17296-1 UTC 2043070	1999	Replacement	No

7. Description of Work: Replaced existing snubber hydraulic control valve due to failed functional test under WO# 926819-01. Snubber failed to meet the acceptance criteria for the Tension Direction Release Rate Test (reference Issue Report 679631). The failure was determined to be the result of foreign material lodged between the mating surface of the tension side "flapper" and the seating surface in the valve block (reference Issue Report 687134). Snubber passed subsequent functional test under WO# 926819-01.

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 support was performed after reinstallation under WO# 926819-01. Applicable material certification 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 10/30, 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 10/4/2007 to 10/30/2007, 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 10-30, 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 11/5/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00925919-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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-18(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-1/2 Mechanical Snubber 1RC17052S	ITT Grinnell	S/N 8581	Not Applicable	1RC17052S	Not Recorded	Replaced	No
PSA-1/2 Mechanical Snubber	ITT Grinnell	S/N 9573	Not Applicable	Cat ID 27530-1 UTC 2035422	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that passed A1R12 functional test, but exhibited some degradation (reference Issue Report 487960). 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 11/5, 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 12/1/2006 to 11/5/2007, 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 11-6-, 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 11/26/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #01067477-01
   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: Reactor Coolant (RC) (Class 1 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)
Valve Bonnet Assembly for Kerotest 1.5" 1500# Manual Valve	Kerotest	Not Recorded	Not Recorded	1RC8042C	Not Recorded	Replaced	Yes
Bonnet Assembly removed from spare 1.5" Class 600 Valve*	Kerotest	Valve Serial Number AME3-11 Bonnet Serial Number APH	Not Applicable	Cat ID 1973-1 UTC 2007669	1988	Replacement	Yes

7. Description of Work: Manual valve was found stuck open and could not be closed to isolate line from 1C steam generator. After applying a freeze seal, the existing valve bonnet was replaced with a new bonnet assembly removed from a new valve assembly.

   * Per Evaluation BOM-98-755-00 Attachment A, the Kerotest standard design for valves 2" NPS and smaller meets the requirements for Class 1708# and Section III Class 1 valve requirements.

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

   Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01). Applicable documentation (Form NPV-1 Data Report for Nuclear 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 11/26, 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 10/2/2007 to 11/26/2007, 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 11-27- 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 11/7/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00926353-49
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   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 2 Portion of Vessel)

5 (a) Applicable Construction Code: ASME Section III 1986 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)
1D Steam Generator Secondary Manway Cover Bolting (Studs 2 and 14)	Unknown	Unknown	Not Applicable	1RC01BD Studs #2 and #14	Unknown	Replaced	No
Manway Stud, 1 5/8"-8	Babcock & Wilcox / NOVA Machine Products	Heat Code DVE Lot 35449040	Not Applicable	Cat ID 47089-1 UTC 2038710	1996	Replacement	No
Manway Nut, 1 5/8"-8	Babcock & Wilcox / NOVA Machine Products	Heat Code DVJ Lot 35395033	Not Applicable	Cat ID 47168-1 UTC 2790920	1996	Replacement	No

7. Description of Work: Replacement two studs and two nuts which were damaged. Although secondary manways are Section XI Class 2, bolting materials are procured in accordance with Section III Class 1 rules.

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 10/25/2007, 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 11/7, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/22/2007 to 11/7/2007, 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 11-8-, 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 9/17/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 00 (Spare)
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00624310-01
   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 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)
Spare Pump Stuffing Box Extension Pieces	Ingersoll-Rand	93337	Not Applicable	Serial Number 93337	Unknown	Repaired	No
Spare Pump Stuffing Box Extension Pieces	Ingersoll-Rand	61994	Not Applicable	Serial Number 61994	Unknown	Repaired	No
3/32" Diameter ER308L	Arcos Alloys	Lot No. CT6834	Not Applicable	Stores Item Number 611A13 RIN/QRI M97-05700	1996	Replacement	No

7. Description of Work: Performed refurbishment of two spare RH pump stuffing box extension pieces (Serial Numbers 93337 and 61994). Refurbishment consisted of reconditioning existing weldment pads (eight per stuffing box extension piece) by minor grinding, performing post grinding liquid penetrant examination, adding additional material by welding, machining weldment pads to recommended dimensions, and performing as left liquid penetrant examination of all weldment pads. Parts were taken to LaSalle Station for machining weldment pads to as left dimensions.

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

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

9. Remarks: Section XI pressure testing not required, stuffing box extension pieces to be returned to Stores as spare stock. Applicable documentation for filler materials used 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 9/17, 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 5/4/2007 to 9/17/2007, 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 9/17, 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 11/5/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00876623-01
   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: Residual Heat Removal (RH) (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)
3" Crosby Relief Valve	Crosby	N56904-00-0033	N/A	1RH8708A	Not Recorded	Replaced	Yes
3" Crosby Relief Valve	Crosby	N56904-00-0012	N/A	Cat ID 27642-1 UTC 2680949	1975	Replacement	Yes

7. Description of Work: Replaced existing relief valve assembly with tested spare refurbished valve assembly. Valve was removed from Byron Station under WO# 792225-01 and set point was verified under WO# 792225-03 Set point was again verified by Braidwood Mechanical Maintenance, valve failed as found lift test performed under BwMP 33-5-043 Step F.6. After a series of adjustments, valve set point eventually was found acceptable.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 45 psig Test Temp. 77.5 °F

9. Remarks: VT-2 exam performed and accepted on 11/3/2007. Applicable documentation for replacement valve 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 11/5, 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 8/29/2007 to 11/5/2007, 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 11-5- 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 11/13/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00889129-01
   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: Residual Heat Removal (RH) (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: 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)
3" Crosby Relief Valve	Crosby	N56904-00-0035	N/A	1RH8708B	Not Recorded	Replaced	Yes
3" Crosby Relief Valve	Crosby	N56904-00-0033	N/A	Cat ID 27642-1 UTC 2640674	Not Recorded	Replacement	Yes

7. Description of Work: Replaced existing relief valve assembly with tested spare refurbished valve assembly. Valve was removed from 1RH8708A position and set point was verified under WO# 876623-01.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 45 psig Test Temp. 80.1 °F

9. Remarks: VT-2 exam performed and accepted on 11/13/2007. Code Case N-508-2 for rotated spare applies.

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 11/15, 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 9/7/2007 to 11/13/2007, 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 11-15- 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 11/28/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00985967-45
   Repair Organization P.O., Job No., etc

3. Work Performed By: PCI Energy Services
   Address: One Energy Drive, Lake Bluff, IL 60044

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

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

5 (a) Applicable Construction Code: Nozzle Weld: ASME Section III 1971 Edition with Summer 1973 Addenda, Code Case 1528
Austenitic Weld: ASME Section III 1974 Edition with 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, N-504-2 (including Nonmandatory Appendix Q), N-638-1, and modifications per Relief Request I2R-4

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

Name of Component "A" Safety Relief	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressurizer ~~Surge~~ Nozzle-to-Safe End Weld (1PZR-01-SE-02) and adjacent Safe End-to-Elbow (1RC-32-01) Welds	Westinghouse and Phillips Getschow	Not Applicable	Not Applicable	1PZR-01-SE-02 1RC-32-01	Not Applicable	Repair (Preemptive)	No
Base Metal Repair (Safe End-to-Nozzle Weld) (ERNiCrFe-7)	Special Metals (Division of Huntington Alloys)	Heat/Lot NX2424JK	Not Applicable	PCI #3426	2002	Replacement	No
Full Structural Weld Overlay (ER309/309L) Sacrificial Layer	Arcos Industries, LLC	Lot XM8411 Control 8411	Not Applicable	PCI #3603	2005	Replacement	No
Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A)	Special Metals (Division of Huntington Alloys)	Heat/Lot NX0B66TY	Not Applicable	PCI #3582	2007	Replacement	No

7. Description of Work: Base metal repair required due to linear indication (3/16" long) discovered during pre-overlay liquid penetrant examination (adjacent to Weld 1PZR-01-SE-02). Applied full structural preemptive weld overlay to the pressurizer "A" safety valve nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-02) and adjacent austenitic stainless steel weld (safe end-to-90 degree cut elbow, Weld 1RC-32-01) to mitigate Inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT-3 examinations were performed on potentially affected supports per Code Case N-504-2. Overlay Weld Number PN-04-SW-4.

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

Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01). Applicable documentation for 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 repair 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 11/28, 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 9/27/2007 to 11/28/2007, 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 11-28, 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 11/28/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00985967-52
Repair Organization P.O., Job No., etc

3. Work Performed By: PCI Energy Services
Address: One Energy Drive, Lake Bluff, IL 60044

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

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

5 (a) Applicable Construction Code: Nozzle Weld: ASME Section III 1971 Edition with Summer 1973 Addenda, Code Case 1528
Austenitic Weld: ASME Section III 1974 Edition with 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, N-504-2 (including Nonmandatory Appendix Q), N-638-1, and modifications per Relief Request I2R-

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressurizer "B" Safety Nozzle-to-Safe End Weld (1PZR-01-SE-03) and adjacent Safe End-to-Elbow (1RC-32-07) Welds	Westinghouse and Phillips Getschow	Not Applicable	Not Applicable	1PZR-01-SE-03 1RC-32-07	Not Applicable	Repair (Preemptive)	No
Full Structural Weld Overlay (ER309/309L) Sacrificial Layer	Arcos Industries, LLC	Lot XM8411 Control 8411	Not Applicable	PCI #3603	2005	Replacement	No
Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A)	Special Metals (Division of Huntington Alloys)	Heat/Lot NX0B66TY	Not Applicable	PCI #3582	2007	Replacement	No

7. Description of Work: Applied full structural preemptive weld overlay to the pressurizer "B" safety valve nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-03) and adjacent austenitic stainless steel weld (safe end-to-90 degree cut elbow, Weld 1RC-32-07) to mitigate Inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT-3 examinations were performed on potentially impacted supports per Code Case N-504-2. Overlay Weld Number PN-05-SW-5.

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

Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01). Applicable documentation for 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 repair 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 11/28, 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 9/27/2007 to 11/28/2007, 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 11-29-, 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 11/28/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00985967-59
Repair Organization P.O., Job No., etc

3. Work Performed By: PCI Energy Services
Address: One Energy Drive, Lake Bluff, IL 60044

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

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

5 (a) Applicable Construction Code: Nozzle Weld: ASME Section III 1971 Edition with Summer 1973 Addenda, Code Case 1528
Austenitic Weld: ASME Section III 1974 Edition with 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, N-504-2 (including Nonmandatory Appendix Q), N-638-1, and modifications per Relief Request I2R-4

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressurizer "C" Safety Nozzle-to-Safe End Weld (1PZR-01-SE-04) and adjacent Safe End-to-Elbow (1RC-32-13) Welds	Westinghouse and Phillips Getschow	Not Applicable	Not Applicable	1PZR-01-SE-04 1RC-32-13	Not Applicable	Repair (Preemptive)	No
Base Metal Repair (Safe End-to-Elbow Weld) (ER309/309L)	Arcos Alloys	Lot/Alloy DT7208	Not Applicable	PCI #2643	1998	Replacement	No
Full Structural Weld Overlay (ER309/309L) Sacrificial Layer	Arcos Industries, LLC	Lot XM8411 Control 8411	Not Applicable	PCI #3603	2005	Replacement	No
Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A)	Special Metals (Division of Huntington Alloys)	Heat/Lot NX0B66TY	Not Applicable	PCI #3582	2007	Replacement	No

7. Description of Work: Base metal repair required due to rounded indication (1/4" major dimension) discovered during pre-overlay liquid penetrant examination (adjacent to Weld 1RC-32-13). Applied full structural preemptive weld overlay to the pressurizer "C" safety valve nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-04) and adjacent austenitic stainless steel weld (safe end-to-90 degree cut elbow, Weld 1RC-32-13) to mitigate Inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT-3 examinations were performed on potentially affected supports per Code Case N-504-2. Overlay Weld Number PN-06-SW-6.

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

Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01). Applicable documentation for 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 repair 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 11/28, 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 9/27/2007 to 11/28/2007, 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 11-29, 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 11/28/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00985967-66
Repair Organization P.O., Job No., etc

3. Work Performed By: PCI Energy Services
Address: One Energy Drive, Lake Bluff, IL 60044

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

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

5 (a) Applicable Construction Code: Nozzle Weld: ASME Section III 1971 Edition with Summer 1973 Addenda, Code Case 1528
Austenitic Weld: ASME Section III 1974 Edition with 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, N-504-2 (including Nonmandatory Appendix Q), N-638-1, and modifications per Relief Request I2R-

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressurizer Relief Nozzle-to-Safe End Weld (1PZR-01-SE-06) and adjacent Safe End-to-Elbow (1RC-35-01) Welds	Westinghouse and Phillips Getschow	Not Applicable	Not Applicable	1PZR-01-SE-06 1RC-35-01	Not Applicable	Repair (Preemptive)	No
Full Structural Weld Overlay (ER-309/309L) Sacrificial Layer	Arcos Industries, LLC	Lot XM8411 Control 8411	Not Applicable	PCI #3603	2005	Replacement	No
Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A)	Special Metals (Division of Huntington Alloys)	Heat/Lot NX0B66TY	Not Applicable	PCI #3582	2007	Replacement	No

7. Description of Work: Applied full structural preemptive weld overlay to the pressurizer relief valve nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-06) and adjacent austenitic stainless steel weld (safe end-to-90 degree cut elbow, Weld 1RC-35-01) to mitigate Inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT-3 examinations were performed on potentially affected supports per Code Case N-504-2. Overlay Weld Number PN-03-SW-3.

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

Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01). Applicable documentation for 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 repair 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 11/28, 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 9/27/2007 to 11/28/2007, 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 11-28- 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 11/28/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00985967-73
Repair Organization P.O., Job No., etc

3. Work Performed By: PCI Energy Services
Address: One Energy Drive, Lake Bluff, IL 60044

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

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

5 (a) Applicable Construction Code: Nozzle Weld: ASME Section III 1971 Edition with Summer 1973 Addenda, Code Case 1528
Austenitic Weld: ASME Section III 1974 Edition with 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, N-504-2 (including Nonmandatory Appendix Q), N-638-1, and modifications per Relief Request I2R-48

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressurizer Spray Nozzle-to-Safe End Weld (1PZR-01-SE-05) and adjacent 6" X 4" Reducer-to-Safe End (1RC-16-01) Welds	Westinghouse and Phillips Getschow	Not Applicable	Not Applicable	1PZR-01-SE-05 1RC-16-01	Not Applicable	Repair	No
Full Structural Weld Overlay (ER-309/309L) Sacrificial Layer	Arcos Industries, LLC	Lot XM8411 Control 8411	Not Applicable	PCI #3603	2005	Replacement	No
Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A)	Special Metals (Division of Huntington Alloys)	Heat/Lot NX0B66TY	Not Applicable	PCI #3582	2007	Replacement	No

7. Description of Work: Applied full structural preemptive weld overlay to the pressurizer spray nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-05) and adjacent austenitic stainless steel weld (safe end-to-reducer, Weld 1RC-16-01) to mitigate Inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT-3 examinations were performed on potentially affected supports per Code Case N-504-2. Overlay Weld Number is PN-02-SW-2.

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

Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01). Applicable documentation for 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 repair 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. Cosey ISI Coordinator Date 11/28, 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 9/27/2007 to 11/28/2007, 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.

Commissions IL1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-29- 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 11/28/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00985967-80
   Repair Organization P.O., Job No., etc

3. Work Performed By: PCI Energy Services
   Address: One Energy Drive, Lake Bluff, IL 60044

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

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

5 (a) Applicable Construction Code: Nozzle Weld: ASME Section III 1971 Edition with Summer 1973 Addenda, Code Case 1528
Austenitic Weld: ASME Section III 1974 Edition with 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, N-504-2 (including Nonmandatory Appendix Q), N-638-1, and modifications per Relief Request I2R-4

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Pressurizer Surge Nozzle-to-Safe End Weld (1PZR-01-SE-01) and adjacent Pipe-to-Safe End (1RC-05-01) Welds	Westinghouse and Phillips Getschow	Not Applicable	Not Applicable	1PZR-01-SE-01 1RC-05-01	Not Applicable	Repair (Preemptive)	No
Full Structural Weld Overlay (ER-309/309L) Sacrificial Layer	Arcos Industries, LLC	Lot XM8411 Control 8411	Not Applicable	PCI #3603	2005	Replacement	No
Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A)	Special Metals (Division of Huntington Alloys)	Heat/Lot NX0B66TY	Not Applicable	PCI #3582	2007	Replacement	No

7. Description of Work: Applied full structural preemptive weld overlay to the pressurizer surge nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-01) and adjacent austenitic stainless steel weld (safe end-to-pipe, Weld 1RC-05-01) to mitigate Inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT-3 examinations were performed on potentially affected supports per Code Case N-504-2. Overlay Weld Number PN-01-SW-1.

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

   Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01). Applicable documentation for 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 repair 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 11/28, 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 9/27/2007 to 11/28/2007, 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 11-29, 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 11/26/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00985967-89
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 36400 S. Essex Road, Wilmington, IL 60481

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

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

5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, Code Cases: N-249-13, N-249-14
(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)
Parts for Component Support 1RY09030C (Line 1RY03AA-6")	Grinnell	None	Not Applicable	1RY09030C	Not Recorded	Replaced	No
¾" X 10 x 3" Hex Bolt	Anvil International, Inc.	Heat F3104	Not Applicable	Cat ID 1424506-1 UTC 2792023	2007	Replacement	No
7/8"-9 x 4" Hex Bolt	Anvil International, Inc.	Heat 136957	Not Applicable	Cat ID 1424595-1 UTC 2792019	2005	Replacement	No
¾" X 10 x 3 1/2" Hex Bolt	Anvil International, Inc.	Heat M630110	Not Applicable	Cat ID 1424929-1 UTC 2792022	2007	Replacement	No
7/8"-9 Hex Nut	Anvil International, Inc.	Heat A82145	Not Applicable	Cat ID 1425172-1 UTC 2792447	2007	Replacement	No
¾"-10 Hex Nuts	Anvil International, Inc.	Heat 834580	Not Applicable	Cat ID 1425173-1 UTC 2792449	2006	Replacement	No
7/8"-9 Jam Nut	Anvil International, Inc.	Heat 8886056	Not Applicable	Cat ID 1425174-1 UTC 2792452	2006	Replacement	No
¾"-10 Jam Nuts	Anvil International, Inc.	Heat 691821	Not Applicable	Cat ID 1425175-1 UTC 2792456	2007	Replacement	No

7. Description of Work: Existing support was identified as an interference to weld overlay of the "A" safety valve nozzle and was removed. Existing bolting was damaged during disassembly and was replaced by new materials.

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

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

9. Remarks: VT-3 exams of reinstalled support were performed after reinstallation (System Cold: 10/18/2007 and System Hot: 10/24/2007). Applicable manufacturer's 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 11/28, 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 9/19/2007 to 11/26/2007, 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.

Commissions IL1085
Inspector's Signature National Board, State, Province, and Endorsements

Date 11-28, 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 12/4/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00937296-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 1RY8010A	Crosby	N56964-00-0109	Not Applicable	1RY8010A	Not Recorded	Replaced	Yes
6" Refurbished Spare Relief Valve	Crosby	N56964-00-0053	Not Applicable	Cat ID 1400663-1 UTC 2704972	Not Recorded	Replacement	Yes

7. Description of Work: Replaced existing relief valve with a spare valve refurbished by NWS Technologies under Purchase Order 417669.

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

   Other ☒ Pressure 2244.3 psig Test Temp. 555.2 °F

9. Remarks: VT-2 examination was performed and accepted on 10/25/2007 (ascending Mode 3 walk down, Test Block A01ZZ-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 12/4, 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 8/23/2006 to 12/4/2007, 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 12-5-, 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 11/5/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #01053174-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 1 Primary Containment Equipment Hatch (1PC103M) Penetration Sleeve	Chicago Bridge & Iron	Not Recorded	Not Applicable	1PC103M	N/A	Not Applicable	No
3/32" E7018 Welding Electrode	ESAB	Heat 159443 Lot 2J613C01 Trace LLL080	Not Applicable	Cat ID 8491-1 UTC 2776571	2006	Replacement	No
1/8" E7018 Welding Electrode	ESAB	Heat 38513 Lot 4D215A03 Trace GGG053	Not Applicable	Cat ID 8503-1 UTC 2653238	2002	Replacement	No

7. Description of Work: Installed a lifting lug/rigging point on Penetration 1PC103M under EC 366588 to support loading equipment for A1R13 refuel outage. Weld is exempt from Section XI containment inservice inspection requirements per Table IWE-2500-1 Category E-A Note 5 (nonstructural attachment per NE-4435). Weld to the sleeve was examined by magnetic particle and VT-1 and found acceptable on 10/1/2007.

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

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

9. Remarks: Applicable manufacturer's certifications for welding materials 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 11/5, 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/16/2007 to 11/5/2007, 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 11-6, 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 11/15/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00919433-01
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 36400 S. Essex Road, Wilmington, IL 60481

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 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)
Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8810A	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 1.5" Class 1513 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-3-6 Bonnet Serial Number 0603 and Plug Serial Number 0612	Not Applicable	Cat ID 1419648-1 UTC 2784194	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 (Section 2) surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 11/15, 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 8/3/2007 to 11/15/2007, 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 11-15-, 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 11/15/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919433-03
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8810B	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 1.5" Class 1513 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-3-8 Bonnet Serial Number 0605 and Plug Serial Number 0618	Not Applicable	Cat ID 1419648-1 UTC 2784196	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 (Section 2) surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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. Losey ISI Coordinator Date 11/15, 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 8/3/2007 to 11/15/2007, 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 11-15- 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 11/15/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00919433-04
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 36400 S. Essex Road, Wilmington, IL 60481

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 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)
Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8810C	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 1.5" Class 1513 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-3-9 Bonnet Serial Number 0602 and Plug Serial Number 0619	Not Applicable	Cat ID 1419648-1 UTC 2784197	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 (Section 2) surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 11/15, 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 8/3/2007 to 11/15/2007, 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 11-15-, 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 11/15/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919433-05
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8810D	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 1.5" Class 1513 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-3-7 Bonnet Serial Number 0604 and Plug Serial Number 0617	Not Applicable	Cat ID 1419648-1 UTC 2784195	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 (Section 2) surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 11/15, 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 8/3/2007 to 11/15/2007, 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 11-15-, 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 11/19/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919433-16
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI04MA	Unknown	Not Recorded	Not Recorded	1SI04MA	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel/ Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422785-1 UTC 2789813	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 surveillance. Applicable documentation for spacer plate 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 11/19, 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 7/30/2007 to 11/19/2007, 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 11-24, 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 11/19/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919433-19
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI04MB	Unknown	Not Recorded	Not Recorded	1SI04MB	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel/ Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422785-1 UTC 2789813	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated witl ECCS sump debris.

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

   Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 surveillance. Applicable documentation for spacer plate 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 11/19, 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 7/30/2007 to 11/19/2007, 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 11-20, 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 11/19/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919433-20
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI04MC	Unknown	Not Recorded	Not Recorded	1SI04MC	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel/ Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422785-1 UTC 2789813	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated witl ECCS sump debris.

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

   Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 surveillance. Applicable documentation for spacer plate 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 11/19, 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 7/30/2007 to 11/19/2007, 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 11-20-, 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 11/19/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919433-21
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI04MD	Unknown	Not Recorded	Not Recorded	1SI04MD	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel/ Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422785-1 UTC 2789813	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 2375 psig Test Temp. 91 °F

9. Remarks: VT-2 performed on 10/25/2007 during 1BwVSR TRM 3.4.F.2-SI.4 surveillance. Applicable documentation for spacer plate 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 11/19, 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 7/30/2007 to 11/19/2007, 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 11-20, 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 10/29/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8816A	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-2-4 Bonnet Serial Number 0613 and Plug Serial Number 0601	Not Applicable	Cat ID 1419642-1 UTC 2776618	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 824 psig Test Temp. 86.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/29/2007, 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 10-31-, 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 10/29/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-03
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8816B	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-2-9 Bonnet Serial Number 0701 and Plug Serial Number 0608	Not Applicable	Cat ID 1419642-1 UTC 2784193	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 804 psig Test Temp. 85.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/29/2007, 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 10-31, 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 10/29/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-04
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8816C	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-2-7 Bonnet Serial Number 0702 and Plug Serial Number 0606	Not Applicable	Cat ID 1419642-1 UTC 2784191	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 804 psig Test Temp. 85.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/29/2007, 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 10-31, 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 10/31/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-05
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8816D	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-2-6 Bonnet Serial Number 0703 and Plug Serial Number 0607	Not Applicable	Cat ID 1419642-1 UTC 2784190	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 824 psig Test Temp. 86.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/31/2007, 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 10-31, 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-14
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI05MA	Unknown	Not Recorded	Not Recorded	1SI05MA	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 804 psig Test Temp. 85.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation for spacer plate 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 10/23, 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 7/30/2007 to 10/23/2007, 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 10-23-, 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-15
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI05MB	Unknown	Not Recorded	Not Recorded	1SI05MB	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 804 psig Test Temp. 85.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation for spacer plate 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 10/23, 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 7/30/2007 to 10/23/2007, 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 10-23- 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-16
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI05MC	Unknown	Not Recorded	Not Recorded	1SI05MC	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 804 psig Test Temp. 85.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation for spacer plate 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 10/23, 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 7/30/2007 to 10/23/2007, 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 10-23- 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919434-17
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI05MD	Unknown	Not Recorded	Not Recorded	1SI05MD	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 804 psig Test Temp. 85.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.1 surveillance. Applicable documentation for spacer plate 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 10/23, 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 7/30/2007 to 10/23/2007, 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 10-23- 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 10/29/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-01
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8822A	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-1-7 Bonnet Serial Number 0622 and Plug Serial Number 0609	Not Applicable	Cat ID 1419652-1 UTC 2784200	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 872 psig Test Temp. 87.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.3 surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/29/2007, 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 11-1-, 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 10/29/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-03
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8822B	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-1-9 Bonnet Serial Number 0628 and Plug Serial Number 0611	Not Applicable	Cat ID 1419652-1 UTC 2784202	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 872 psig Test Temp. 87.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.3 surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/29/2007, 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.

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Inspector's Signature Commissions IL1085
National Board, State, Province, and Endorsements

Date 11-1-, 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 10/29/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-04
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8822C	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-1-8 Bonnet Serial Number 0626 and Plug Serial Number 0610	Not Applicable	Cat ID 1419652-1 UTC 2784201	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
   Other ☒ Pressure 872 psig Test Temp. 87.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.3 surveillance. Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/29/2007, 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 11-1- 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 10/29/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-05
   Repair Organization P.O., Job No., etc

3. Work Performed By: The Shaw Group
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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 Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve	Copes Vulcan	Not Recorded	Not Recorded	1SI8822D	Not Recorded	Replaced	Yes
Bonnet and Plug Assembly for 2" Class 1500 Valve	SPX Valves & Controls	Appurtenance Serial Number 0651-125058-1-3 Bonnet Serial Number 0629 and Plug Serial Number 0603	Not Applicable	Cat ID 1419652-1 UTC 2776628	2007	Replacement	Yes

7. Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 872* psig Test Temp. 87.5* °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.3 surveillance. (*) The surveillance was reperformed on 10/18-19/2007 (Pressure 788/780 psig with temperature 82°F) after missed flow orifice was replaced (reference Issue Report 685629). Applicable documentation (Form N-2 Data Report for Identical Nuclear Parts and Appurtenances) 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 10/31, 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 8/6/2007 to 10/29/2007, 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.

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Inspector's Signature Commissions IL1085
National Board, State, Province, and Endorsements

Date 11-1-, 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-16
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI06MA	Unknown	Not Recorded	Not Recorded	1SI06MA	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 872 psig Test Temp. 87.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.3 surveillance. Applicable documentation for spacer plate 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 10/23, 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 7/27/2007 to 10/23/2007, 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.

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

Date 10-23, 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-19
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI06MB	Unknown	Not Recorded	Not Recorded	1SI06MB	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated witt ECCS sump debris.

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

   Other ☒ Pressure 872 psig Test Temp. 87.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.3 surveillance. Applicable documentation for spacer plate 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 10/23, 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 7/30/2007 to 10/23/2007, 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 10-23- 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-20
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI06MC	Unknown	Not Recorded	Not Recorded	1SI06MC	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 872 psig Test Temp. 87.5 °F

9. Remarks: VT-2 performed on 10/16/2007 during 1BwVSR TRM 2.5.c.3 surveillance. Applicable documentation for spacer plate 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 10/23, 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 7/30/2007 to 10/23/2007, 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 10-23-, 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 10/23/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00919436-27
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 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)
Orifice at Bolted Connection 1SI06MD	Unknown	Not Recorded	Not Recorded	1SI06MD	Not Recorded	Replaced	No
2" NPS, ¼" thick with 1.75" bore SA-240 TP304	Energy Steel / Allegheny Ludlum	Heat 877945	Not Applicable	Cat ID 1422869-1 UTC 2789820	2007	Replacement	No

7. Description of Work: Replaced existing flow orifice with a spacer plate as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris.

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

   Other ☒ Pressure 788/780 psig Test Temp. 82 °F

9. Remarks: VT-2 performed on 10/18/2007 and 10/19/2007 during reperformance of 1BwVSR TRM 2.5.c.3 surveillance. Applicable documentation for spacer plate 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 10/23, 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 10/17/2007 to 10/23/2007, 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 10-23- 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 11/21/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #00973708-09
   Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
   Address: 36400 S. Essex Road, Wilmington, IL 60481

   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 to Existing Pipe	CCI AG	PO# 412951	Not Recorded	Cat ID 1415263 UTC 2779829	2007	Replacement	No
ER 308L (3/32" Diameter)	Arcos	Lot CT8659	Not Applicable	Cat ID 8497-1 UTC 2785471	2003	Replacement	No
ER 308L (1/8" Diameter)	Arcos	Lot DF7995	Not Applicable	Cat ID 8513-1 UTC 2702660	2007	Replacement	No

7. Description of Work: Replaced the Unit 1A containment sump screen in accordance with EC 358828 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 1SI06AA-24"). Liquid penetrant of welds in the finished condition was performed per EC 358828.

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 11/21, 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 3/21/2007 to 11/21/2007, 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 IL # 1085
National Board, State, Province, and Endorsements

Date 11-26-, 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 11/21/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00973708-14
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 36400 S. Essex Road, Wilmington, IL 60481

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 to Existing Pipe	CCI AG	PO# 41295	Not Recorded	Cat ID 1415263 UTC 2779829	2007	Replacement	No
ER 308L (3/32" Diameter)	Arcos	Lot CT8659	Not Applicable	Cat ID 8497-1 UTC 2785471	2003	Replacement	No
ER 308L (1/8" Diameter)	Arcos	Lot DF7995	Not Applicable	Cat ID 8513-1 UTC 2702660	2007	Replacement	No

7. Description of Work: Replaced the Unit 1B containment sump screen in accordance with EC 358828 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 1SI06AB-24"). Liquid penetrant of welds in the finished condition was performed per EC 358828.

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 11/21, 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 3/21/2007 to 11/21/2007, 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 Meeson
Inspector's Signature

Commissions IL # 1035
National Board, State, Province, and Endorsements

Date 11-26-, 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 10/30/2007
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00907366-01
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 36400 S. Essex Road, Wilmington, IL 60481

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

4. Identification of System: Steam Generator Blowdown (SD) Class 2 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-1/2 Mechanical Snubber (Including Figure 137N U-Bolt) 1SD23089S	ITT Grinnell	S/N 3486	Not Applicable	1SD23089S	Not Recorded	Replaced	No
PSA-1/2 Mechanical Snubber	ITT Grinnell	S/N 8045	Not Applicable	Cat ID 27530-1 UTC 2035422	Not Recorded	Replacement	No
3/8" U-Bolt Hanger	Anvil International	U-Bolt: Heat B-887 Hex Nuts: Heat M0491	Not Applicable	Cat ID 42581-1 UTC 2778418	2007	Replacement	No

7. Description of Work: Replaced existing snubber that exhibited marginal results during functional testing performed prior to A1R12 outage (reference Issue Report 469557). Existing u-bolt was damaged during snubber removal and was replaced with new u-bolt assembly. 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 support was performed after reinstallation. Applicable Manufacturer's Data Reports 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 10/30, 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 6/16/2007 to 10/30/2007, 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 10-30 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 11/5/2007
   Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1
   Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

   Work Order #01055877-01
   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: Steam Generator Blowdown (SD) Class 2 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-18(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 1SD23093S	ITT Grinnell	S/N 10395	Not Applicable	1SD23093S	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber	ITT Grinnell	S/N 7487	Not Applicable	Cat ID 27676-1 UTC 2052208	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that failed functional test (running drag test) during testing performed prior to A1R13 outage (reference Issue Report 662727). Replacement snubber was functionally tested prior to installation. An additional sample expansion (nine additional snubbers) must be performed.

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

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

9. Remarks: VT-3 examination of snubber was performed after reinstallation. Applicable Manufacturer's Data Reports 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 11/5, 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 8/21/2007 to 11/5/2007, 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 11-5-, 2007