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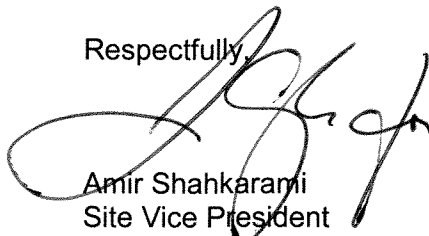
Braidwood Station, Unit 1
Facility Operating License No. NPF-72
NRC Docket No. STN 50-456

Subject: Braidwood Station Unit 1 Inservice Inspection Summary Report

Enclosed please find the post-outage summary report (i.e., 90 day report) for inservice inspection examinations conducted during the Braidwood Station Unit 1 fifteenth refueling outage (A1R15). This report is submitted in accordance with the requirements of the American Society of Mechanical Engineers 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. Ronald Gaston, Regulatory Assurance Manager, at (815) 417-2800.

Respectfully,



Amir Shahkarami
Site Vice President
Braidwood Station

Enclosure: Braidwood Station ISI Outage Report for A1R15

cc: NRR Project Manager – Braidwood Station
Illinois Emergency Management Agency – Division of Nuclear Safety
NRC Regional Administrator – NRC Region III
NRC Senior Resident Inspector – Braidwood Station

BRAIDWOOD STATION

UNIT 1 INSERVICE INSPECTION SUMMARY REPORT FOR:

**Interval 3, Period 1, Outage 2
Interval 3, Period 2
A1R15 Outage**

STATION ADDRESS:

**Braidwood Station
35100 S. Route 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

Third Interval Inservice Inspections (ISI) and Preservice Inspections (PSI) of ASME Class 1, 2, and 3 components were conducted at Braidwood Station Unit 1 between June 10, 2009 to January 12, 2011, with the majority of these inspections being performed during the Braidwood Station Unit 1 fifteenth refueling outage (A1R15). One examination performed during the A1R15 outage was credited to the Second Inspection Period after the Second Inspection Period start date for Category B-B was adjusted as permitted by IWA-2430(d)(3). The adjustment was performed to take advantage of no scheduled steam generator tubing inspections in A1R15.

All 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, 2001 Edition through 2003 Addenda, pursuant to the requirements of Title 10, Part 50.55a of the Code of Federal Regulations (10CFR50.55a).

The Containment Inspection Program is developed and implemented in accordance with the requirements and intent of Subsections IWE and IWL of ASME Section XI, 2001 Edition through the 2003 Addenda, pursuant to the requirements of 10CFR50.55a.

In addition to the ASME Section XI requirements, certain augmented ISI inspections were completed during A1R15. 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 reactor pressure vessel closure head penetration #74 in accordance with Braidwood Relaxation Request approval contained in T. J. McGinty (NRR) letter to C. Crane (Exelon) dated September 26, 2007 (ADAMS ML 072430457).
- c) Examination of the spare (preservice) and 1D (inservice) reactor coolant pump motor flywheels in accordance with Regulatory Guide 1.14.
- d) Examination of welds in accordance with Materials Reliability Project MRP-139 and MRP-192.
- e) Examination of pressurizer nozzle dissimilar metal weld overlays in accordance with Second Interval ISI Relief Request I2R-48 and ASME Section XI Appendix Q.

There were no significant findings associated with any of the augmented ISI examinations.

1.2 Identification of Examination Requirements

The Third 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, and IWF-2500 of the ASME code. The Non-Destructive Examination (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, 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, and VT-3) 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, 2001 Edition through 2003 Addenda 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 2001 Edition through 2003 Addenda.

Certified personnel performed and evaluated visual examinations (UT, VT-1, and VT-3) of containment structures. Personnel were certified to the requirements of the ANSI/ASNT CP-189, 1991 revision, and/or ASME Section XI 2001 through 2003 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, M. Bosnich, and J. Scholl. 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 examinations performed during the Braidwood Station Unit 1 A1R15 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*
Chemical & Volume Control (CV)	1
Feedwater (FW)	3
Main Steam (MS)	5
Pressurizer (RY)	6
Reactor Coolant (RC)	19
Residual Heat Removal (RH)	2
Safety Injection (SI)	3
TOTALS	39

* Non-Section XI Augmented examinations and Risk Informed ISI socket weld VT-2 examinations are not included in these counts but are listed in Section 3.1.1.

2.2 Inservice Component Support Summary

SYSTEM EXAMINED	Number of Component Supports
Auxiliary Feedwater (AF)	11
Component Cooling (CC)	9
Chemical & Volume Control (CV)	1
Main Steam (MS)	3
Reactor Coolant (RC)	15
Residual Heat Removal (RH)	3
Safety Injection (SI)	16
Essential Service Water (SX)	32
TOTALS	80

2.3 Inservice Snubber Summary

SYSTEM EXAMINED	Number of Snubbers Examined by VT-3	Number of Snubbers Functionally Tested
Auxiliary Feedwater (AF)	2	2
Chemical & Volume Control (CV)	3	3
Containment Spray (CS)	1	1
Main Steam (MS)	1	1
Reactor Coolant (RC)	14	6
Reactor Coolant (RY)	2	2
Residual Heat Removal (RH)	6	6
Steam Generator Blowdown (SD)	1	1
Safety Injection (SI)	21	20
TOTALS	51	42

2.4 Inservice Pressure Test Summary

2.4.1 Pressure Test Block Inspection Summary

The components contained in Table 2.4.1-1 are pressure test blocks that were examined for Section XI Inservice Inspection and surveillance results were available at the time of report completion.

Table 2.4.1-1
A1R15 Section XI Pressure Tests

System	Class	Number of Test Blocks Examined
Auxiliary Feedwater (AF)	2	1
Chemical and Volume Control (CV)	2	2
Fuel Pool Cooling and Clean Up	2	2
Instrument Air (IA)	2	1
Residual Heat Removal	2	4
Safety Injection (SI)	2	10
Essential Service Water (SX)	2	2
Plant Systems Pressurized During Mode 3 (ZZ)	1	1
TOTALS		23

2.4.2 Borated Bolting Inservice Inspection Summary

The 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 ISI Program Plan.

SYSTEM EXAMINED	Number of Connections Examined by VT-2	Number of Connections Examined by VT-1
Chemical & Volume Control (CV)	13	0
Pressurizer (PZR)	1	0
Reactor Coolant (RC)	13	0
Residual Heat Removal (RH)	11	0
TOTALS	38	0

2.5 Steam Generator Eddy Current Testing Summary

Steam generator eddy current testing was not performed during the A1R15 outage.

3.0 COMPONENT EXAMINATION RESULTS

3.1 Third Interval Inservice and Preservice Inspection Detailed Result Tables

3.1.1 Detailed Third Interval Inservice Weld/Component Table(s):

The table for this section (Pages 3-6 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 3.2.

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

3.1.2 Detailed Third Interval Preservice Weld/Component Table(s):

The table for this section (Page 3-23) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and Class 2 components replaced during A1R15. 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 3.2.

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

3.1.3 Detailed Third Interval Inservice Component Support Table:

The table for this section (Pages 3-24 to 3-32) 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 3.2.

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

3.1.4 Detailed Third Interval Preservice Component Support Table:

The table for this section (Pages 3-33) 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

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A1R15 ISI Outage Report**

description of the information contained in each column can be found in Section 3.2.

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

3.1.5 Detailed Third Interval Inservice Snubber Table:

The table for this section (Pages 3-34 to 3-43) 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 3.2.

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

3.1.6 Detailed Third Interval Preservice Snubber Table:

The table for this section (Pages 3-44 to 3-46) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and 2 snubbers replaced during A1R15. 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 3.3.

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

3.1.7 Detailed Listing of Third Interval System Pressure Tests

The table for this section (Pages 3-47 to 3-55) 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 3.2.

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

3.1.8 Detailed Borated Bolted Connection Table

The table for this section (Pages 3-56 to 3-59) 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 3.2.

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

3.2 General Inservice Report Information

3.2.1 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 surface or 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.

3.2.2 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
IO	-	Information Only
IR	-	Issue Report
NRI	-	No Recordable Indications
MT	-	Magnetic Particle Inspection
PT	-	Liquid Penetrant Inspection
SUR	-	Surface Exam
TBD	-	To Be Developed
WO	-	Work Order
UT	-	Ultrasonic Inspection
VOL	-	Volumetric Exam
VOL-E	-	Volumetric Exam of an Extended Volume
VT	-	Visual Inspection

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Containment Spray System (CS)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
NA	ECCS 1CS-03-67 ELBOW - PIPE	1CS06AA-6"		NOTE 19	100	VOL	UT-0 UT-45 UT-70	NA NRI
Augmented examination on stagnant borated thin-wall pipe weld. UT thickness performed to obtain weld contour and to confirm that no counterbore exists.								
NA	ECCS 1CS-03-70 PIPE - PIPE	1CS06AA-6"		NOTE 19	100	VOL	UT-0 UT-45 UT-70	NA NRI
Augmented examination on stagnant borated thin-wall pipe weld. UT thickness performed to obtain weld contour and to confirm that no counterbore exists.								
C-C	C03.30 1CSP-01-CSP04, 05, 06 1CS01PB PUMP LUG	1CS01PB		NOTE 17	100	SUR	VT-1	NA
Supplemental VT-1 due to limited coverage obtained during A1R14 inspection. Relief request is required (< 90% coverage achieved). Submittal of relief request is being tracked through ATI 894565-02.								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Chemical & Volume Control System (CV)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Comments								
R-A	R01.11	1CV-05-03 PIPE - ELBOW	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-04 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-05 PIPE - ELBOW	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-06 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-13 PIPE - ELBOW	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-14.01 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
B-G-2	B07.50	1CV-06-B1 FLANGE BOLTING (4 STUDS)	1CV14GA-1.5"			SUR	VT-1	NRI
VT-1 performed after flange disassembly during pump seal replacement under WO# 1262834.								
R-A	R01.11	1CV-11-06 PIPE - ELBOW	1CVA6AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-11-07 ELBOW - PIPE	1CVA6AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
NA	ECCS	1CV-17-13 ELBOW - PIPE	1CV05CB-6"		NOTE 19 100	VOL	UT-0 UT-45 UT-70	NA NRI
Augmented examination on stagnant borated thin-wall pipe weld. UT thickness performed to obtain weld contour and to confirm that no counterbore exists.								
R-A	R01.11	1RC-36-15 PIPE - ELBOW	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-16 ELBOW - PIPE	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-17 PIPE - ELBOW	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-18 ELBOW - PIPE	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-11 PIPE - ELBOW	1CVA7AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-12 ELBOW - PIPE	1CVA7AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Feedwater System (FW)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.11 1FW-02-37 R01.18 PIPE - ELBOW	1FW03DA-16"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
Counterbore exists downstream of weld centerline, additional volume inspected in accordance with Risk-Informed ISI requirements. Previously recorded geometry observed below recordable levels.								
R-A	R01.11 1FW-03-39 R01.18 PIPE - ELBOW	1FW03DB-16"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
Counterbore exists downstream of weld centerline, additional volume inspected in accordance with Risk-Informed ISI requirements. Previously recorded geometry observed below recordable levels.								
R-A	R01.11 1FW-04-38 R01.18 PIPE - ELBOW	1FW03DC-16"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
Counterbore exists downstream of weld centerline, additional volume inspected in accordance with Risk-Informed ISI requirements. Previously recorded geometry observed below recordable levels.								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Main Steam System (MS)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.20 1MS-04-34 ELBOW - PIPE	1MS13AA-8"	I3R-01	NOTE 09 NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
UT thickness performed to verify previous thickness and contour and to confirm that no counterbore exists.								
R-A	R01.20 1MS-04-35 PIPE - ELBOW	1MS13AA-8"	I3R-01	NOTE 09 NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
UT thickness performed to verify previous thickness and contour and to confirm that no counterbore exists.								
R-A	R01.20 1MS-04-36 ELBOW - PIPE	1MS13AA-8"	I3R-01	NOTE 09 NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
UT thickness performed to verify previous thickness and contour and to confirm that no counterbore exists.								
R-A	R01.20 1MS-04-37 PIPE - ELBOW	1MS13AA-8"	I3R-01	NOTE 09 NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
UT thickness performed to verify previous thickness and contour and to confirm that no counterbore exists. Previously recorded geometry observed below recordable levels.								
R-A	R01.20 1MS-04-38 ELBOW - PIPE	1MS13AA-8"	I3R-01	NOTE 09 NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
UT thickness performed to verify previous thickness and contour and to confirm that no counterbore exists. Previously recorded geometry observed below recordable levels.								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
NA	RG 1.14 1/2RCP-01-FLYWHEEL (SPARE) SPARE RCP PUMP FLYWHEEL	SPARE		NOTE 18		SUR	PT	NRI
Spare Marble Hill RCP motor (Serial Number 4S88P961). Flywheel examination was completed during motor refurbishment under WO 1209274 prior to A1R15 outage.								
R-A	R01.20 1RC-02-04A BRANCH CONNECTION - THERMOWELL	THERMOWELL	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-03-21A BRANCH CONNECTION - THERMOWELL	THERMOWELL	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-06-11 PIPE - ELBOW	1RC21AA-8"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero degree performed to locate counterbore and/or any inside diameter transition. Counterbore confirmed, extended exam volume to meet Risk-Informed ISI requirements. Previously recorded geometry observed below recordable levels.								
R-A	R01.20 1RC-23-01 3"X1.5" REDUCER - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-23-02 PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-23-03 ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-23-04 PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-23-05 ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-27-04AA PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-27-05AA ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-27-06AA PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-27-07AA ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-27-08AA PIPE - VALVE 1RC8045A	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-01-03 PIPE - BRANCH CONNECTION	1RC16AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-01-04 PIPE - BRANCH CONNECTION	1RC16AD-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-02-03 ELBOW - PIPE	1RC16AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-02-04 ELBOW - PIPE	1RC16AD-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.11 1RC-29-03-03 PIPE - ELBOW	1RC16AC-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-03-04 PIPE - ELBOW	1RC16AD-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-04-03 ELBOW - PIPE	1RC16AC-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-04-04 ELBOW - PIPE	1RC16AD-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-05-03 PIPE - ELBOW	1RC16AC-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-05-04 PIPE - ELBOW	1RC16AD-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-06-03 VALVE 1RC8038C - PIPE	1RC16AC-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-29-06-04 VALVE 1RC8038D - PIPE	1RC16AD-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-31-01 BRANCH CONNECTION - PIPE	1RC14AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-31-02 PIPE - VALVE 1RC8039B	1RC14AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-31-03 VALVE 1RC8039B - PIPE	1RC14AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-31-04 PIPE - TEE	1RC14AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-31-05 TEE - 2"X.75" REDUCER	1RC14AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-31-06 TEE - PIPE	1RC14AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-31-07 PIPE - VALVE 1RC8037B	1RC14AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20 1RC-31-08 BRANCH CONNECTION - PIPE	1RC26A-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-36-01 BRANCH CONNECTION - PIPE	1RC14AA-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-36-02 PIPE - ELBOW	1RC14AA-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-36-03 ELBOW - PIPE	1RC14AA-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-36-04 PIPE - VALVE 1RC8039A	1RC14AA-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Comments								
R-A	R01.11	1RC-36-05 VALVE 1RC8039A - PIPE	1RC14AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-06 PIPE - TEE	1RC14AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-07 TEE - 2"X.75" REDUCER	1RC14AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-08 TEE - PIPE	1RC14AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-09 PIPE - VALVE 1RC8037A	1RC14AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-20 PIPE - TEE	1RC14AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-22 TEE - 2"X1" REDUCER	1RC86AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-01 BRANCH - PIPE	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-02 PIPE - ELBOW	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-03 ELBOW - PIPE	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-04 PIPE - VALVE 1RC8039D	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-05 VALVE 1RC8039D - PIPE	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-06 PIPE - TEE	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-07 TEE - 2"X.75" REDUCER	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-08 TEE - PIPE	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-09 PIPE - VALVE 1RC8037D	1RC14AD-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-41-01AA PIPE - BRANCH CONNECTION	1RC16AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-41-01AB PIPE - BRANCH CONNECTION	1RC16AB-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-41-02AA ELBOW - PIPE	1RC16AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-41-02AB ELBOW - PIPE	1RC16AB-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.11 1RC-41-03AA PIPE - ELBOW	1RC16AA-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-41-03AB PIPE - ELBOW	1RC16AB-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-41-04AA ELBOW - PIPE	1RC16AA-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-41-04AB VALVE 1RC8038B - PIPE	1RC16AB-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-41-05AA PIPE - ELBOW	1RC16AA-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-41-06AA VALVE 1RC8038A - PIPE	1RC16AA-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-01 BRANCH CONNECTION - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-02 PIPE - ELBOW	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-03 ELBOW - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-04 PIPE - VALVE 1RC8039C	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-05 VALVE 1RC8039C - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-06 PIPE - TEE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-07 TEE - 2"X3/4" REDUCER	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-08 TEE - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-09 PIPE - VALVE 1RC8037C	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-10 PIPE - TEE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-11 TEE - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1RC-42-12 TEE - 2"X1" REDUCER	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
NA	RG 1.14 1RCP-01-FLYWHEEL (PMP D) RCP 'D' PUMP FLYWHEEL	1RCP01D		NOTE 18	100	SUR	PT	NRI

PT RCP motor flywheel in conjunction with motor overhaul performed under WO# 1309340.

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
B-G-2	B07.60 1RCP-01-PSB-PA-B1 PUMP SHAFT SEALS (12 BOLTS)	1RC01PA		NOTE 03 NOTE 16		SUR	VT-1	NRI
Perform exam during pump seal replacement under WO# 1262834.								
N-722	B15.090 1RV-01-022 N-722 NOZZLE - SAFE END (22 DEG.)	1RC01R		NOTE 14 NOTE 17		Visual, VE	Visual, VE	NRI
MRP-139 Visual, VE (Code Case N-722) examination performed after mirror insulation was removed from nozzle to perform MSIP accessibility walk down.								
N-722	B15.095 1RV-01-023 N-722 SAFE END - NOZZLE (67 DEG.)	1RC01R		NOTE 14 NOTE 17		Visual, VE	Visual, VE	NRI
MRP-139 Visual, VE (Code Case N-722) examination performed after mirror insulation was removed from nozzle to perform MSIP accessibility walk down.								
N-722	B15.095 1RV-01-024 N-722 SAFE END - NOZZLE (113 DEG.)	1RC01R		NOTE 14 NOTE 17		Visual, VE	Visual, VE	NRI
MRP-139 Visual, VE (not credited for Code Case N-722) examination performed after mirror insulation was removed from nozzle to perform MSIP accessibility walk down.								
N-722	B15.090 1RV-01-025 N-722 NOZZLE - SAFE END (158 DEG.)	1RC01R		NOTE 14 NOTE 17		Visual, VE	Visual, VE	NRI
MRP-139 Visual, VE (Code Case N-722) examination performed after mirror insulation was removed from nozzle to perform MSIP accessibility walk down.								
N-722	B15.090 1RV-01-026 N-722 NOZZLE - SAFE END (202 DEG.)	1RC01R		NOTE 14 NOTE 17		Visual, VE	Visual, VE	NRI
MRP-139 Visual, VE (Code Case N-722) examination performed after mirror insulation was removed from nozzle to perform MSIP accessibility walk down.								
N-722	B15.095 1RV-01-027 N-722 SAFE END - NOZZLE (247 DEG.)	1RC01R		NOTE 14 NOTE 17		Visual, VE	Visual, VE	NRI
MRP-139 Visual, VE (Code Case N-722) examination performed after mirror insulation was removed from nozzle to perform MSIP accessibility walk down.								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
N-722	B15.095 1RV-01-028 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	SAFE END - NOZZLE (293 DEG.)			NOTE 17				
	MRP-139							
Visual, VE (not credited for Code Case N-722) examination performed after mirror insulation was removed from nozzle to perform MSIP accessibility walk down.								
N-722	B15.090 1RV-01-029 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	NOZZLE - SAFE END (338 DEG.)			NOTE 17				
	MRP-139							
Visual, VE examination performed after mirror insulation was removed.								
B-N-1	B13.10 1RV-01-RX INTERIOR ACCESSIBLE INTERIOR SURFACES	1RC01R			100	VT-3	VT-3	NRI
N-722	B15.080 1RV-02-INSTR. NOZZLES RX VESSEL INSTRUMENTATION NOZ.	1RC01R	I3R-04			Visual, VE	Visual, VE	IO
Code Case N-722 examination. Minor staining from previous boot seal leakage, no change from previous examination.								
NA	NA 1RV-03-74-BMV	1RC01R		NOTE 17	100	Visual, VE	Visual, VE	NRI
	WELD IN PERIPHERAL CRD HOUSING							
Bare metal visual examination of reactor head surface and annulus around penetration per previous commitment in Unit 1 Relaxation Request.								
B-G-2	B07.10 1RV-03-75 CETNA CLAMP BOLTING INCORE THERMOCOUPLE CLAMP (Pen. #75)	1RC01R				SUR	VT-1	NRI
Connection was disassembled under WO# 1286769-29 to correct boric acid leakage.								
B-G-2	B07.10 1RV-03-77 CETNA CLAMP BOLTING INCORE THERMOCOUPLE CLAMP (Pen. #77)	1RC01R				SUR	VT-1	NRI
Connection was disassembled under WO# 1286769-29 to correct boric acid leakage.								
B-G-1	B06.10 1RV-03-NUTS (01 TO 54) CLOSURE HEAD NUTS (54 TOTAL)	1RC01R		NOTE 03		SUR	VT-1	NRI
Examined nuts 1 through 18 and 37 through 54 which were not examined during A1R14. The remaining nuts were examined in A1R14, reference report A1R14VT-037								
B-G-2	B07.10 1RV-03-RVLIS BOLTING (NORTH) NORTH RVLIS ASSEMBLY	1RC01R				SUR	VT-1	NRI
Connection was disassembled during A1R15 under WO# 1286769.								
B-G-2	B07.10 1RV-03-RVLIS BOLTING (SOUTH) SOUTH RVLIS ASSEMBLY	1RC01R				SUR	VT-1	NRI
Connection was disassembled during A1R15 under WO# 1286769.								
B-G-1	B06.50 1RV-03-WASHERS CLOSURE WASHERS (01 TO 54)	1RC01R		NOTE 03		SUR	VT-1	NRI NRI
Examined washers 1 through 18 and 37 through 54 which were not examined during A1R14. The remaining nuts were examined in A1R14, reference report A1R14VT-037								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
B-B	B02.40 1SG-05-SGC-01 PRIMARY HEAD - TUBESHEET	1RC01BA		NOTE 17	100	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
Initially scheduled in A1R16 (Second Period). Second period start date was accelerated into A1R15 by adjusting Second Period start date from 7/29/2011 to 10/8/2010 as permitted by IWA-2430(d)(3) to take advantage of steam generator skip outage and to combine with UT of 1SG-05-SGC-02 (Category C-A, Item C1.30). This examination is to be credited to the Second Period.								
C-A	C01.30 1SG-05-SGC-02 TUBE SHEET - LOWER SECONDARY SHELL	1RC01BA		NOTE 17	100 99.75 98.4	VOL	UT-0 UT-45 UT-60	NRI
Examination limitations due to four 8" hand holes and two 6" blow down lines. Cumulative coverage is 99.38%.								
C-B	C02.22 1SG-05-SGN-04 (NIR) FW NOZZLE - STEAM DRUM LOWER SHELL NIR	1RC01BA		NOTE 17	100	IRS	UT-35 UT-40 UT-45 UT-60	NRI NRI NRI NRI
R-A	R01.11 1SI-16-22.01 VALVE 1SI8900D - PIPE	1RC30AD-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1SI-16-23 PIPE - 3"x1½" REDUCER	1RC30AD-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1SI-17-01 PIPE - 3"x1½" REDUCER	1RC30AB-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1SI-17-02 VALVE 1SI8900B - PIPE	1RC30AB-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1SI-31-01 PIPE - REDUCER	1RC30AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1SI-31-02 VALVE 1SI8900A - PIPE	1RC30AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
NA	ECCS 1RH-06-35 TEE - PIPE	1RH03AB-8"		NOTE 19		VOL	UT-0 UT-45 UT-70	NA NRI NRI
Zero degree to confirm thickness and contour. Examination performed in accordance with EPRI Good Practice MRP-192 Revision 1. Examination will also be credited towards the ECCS augmented pipe inspection program.								
NA	NA 1RH-06-36 PIPE LONG SEAM	1RH03AB-8"				VOL	UT-0 UT-45	NA NA
Augmented examination per MRP-192 Revision 1.								
C-C	C03.10 1RHX-01-1RHES-01 (A HX)	1RH02AA	N-700	NOTE 17		SUR	PT	RI
	BOTTOM HEAD - SUPPORT SKIRT			NOTE 29				
A 3/16" rounded indication was noted 0.30" from the toe of the weld on the skirt side, 38.5" clockwise from the vessel long seam looking down. Indication was considered "recordable" since Acceptance Standard IWC-3512 does not address rounded indications. Per IWA-3100(b) the Acceptance Standard of NC-5352 of ASME Section III 1974 Edition (original Code of Construction) was applied. Per NC-5352, rounded indications with dimensions greater than 3/16" are unacceptable. Since the rounded indication recorded is not greater than 3/16" it is acceptable for continued service.								
C-B	C02.21 1RHX-01-1RHXN2 (A HX) NOZZLE - SHELL	1RH02AA	N-706	NOTE 17 NOTE 30		VT-2	VT-2	NRI
VT-2 per Code Case N-706 performed during system leakage test (WO 1224128).								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.11 1CV-02-13 VALVE 1CV8377 - PIPE	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1CV-02-14 PIPE - ELBOW	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1CV-02-15 ELBOW - PIPE	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1CV-02-16 PIPE - ELBOW	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1CV-02-17 ELBOW - PIPE	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1CV-02-18 PIPE - ELBOW	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1CV-02-19 ELBOW - PIPE	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
B-D	B03.110 1PZR-01-N2 SPRAY NOZZLE - PRESSURIZER	1RY01S		NOTE 17	56.56	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
Cumulative examination coverage is 56.56%. Relief request is being tracked through ATI 894565-02.								
B-D	B03.120 1PZR-01-N2 (NIR) SPRAY NOZZLE - PRESSURIZER INNER RADIUS	1RY01S	10CFR	NOTE 13 NOTE 17	100	IRS	UT-24 UT-60 UT-65 UT-70	NRI NRI NRI NRI
B-D	B03.110 1PZR-01-N3 PRESSURIZER - RELIEF NOZZLE	1RY01S		NOTE 17	60.92	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
Cumulative examination coverage is 60.92%. Relief request is being tracked through ATI 894565-02.								
B-D	B03.120 1PZR-01-N3 (NIR) PRESSURIZER - RELIEF NOZZLE INNER RADIUS	1RY01S	10CFR	NOTE 13 NOTE 17	100	IRS	UT-24 UT-60 UT-65 UT-70	NRI NRI NRI NRI
R-A	R01.15 1PZR-01-SE-01 R01.11 PZR SURGE NOZZLE - SAFE END MRP-139	1RY11A-14"	I3R-01	NOTE 14 NOTE 17	100	VOL-E	UT-45L	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q.								
R-A	R01.15 1PZR-01-SE-02 MRP-139 PZR "A" SAFETY NOZZLE - SAFE END	1RY03AA-6"	I3R-01	NOTE 14 NOTE 17	99.7	VOL	UT-45L	IO
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave angle. One spot indication was recorded which was not recorded during baseline examination. Indication has no through-wall depth and is acceptable when compared to Acceptance Standards.								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.15 1PZR-01-SE-03 MRP-139	1RY03AB-6" PZR "B" SAFETY NOZZLE - SAFE END	I3R-01	NOTE 14 NOTE 17	100	VOL	UT-45L	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave.								
R-A	R01.15 1PZR-01-SE-04 MRP-139	1RY03AC-6" PZR "C" SAFETY NOZZLE - SAFE END	I3R-01	NOTE 14 NOTE 17	100	VOL	UT-45L	IO
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave.								
R-A	R01.15 1PZR-01-SE-05 R01.11 MRP-139	1RY01B-6" PZR SPRAY NOZZLE - SAFE END	I3R-01	NOTE 14 NOTE 17	100	VOL	VOL	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using numerous refracted longitudinal wave angles (33, 40, 43, 45, and 60 degrees).								
R-A	R01.15 1PZR-01-SE-06 MRP-139	1RY02A-6" PZR RELIEF NOZZLE - SAFE END	I3R-01	NOTE 14 NOTE 17	100	VOL	UT-45L	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave.								
R-A	R01.11 1RC-05-01	1RY11A-14" PZR SAFE END - PIPE	I3R-01 I3R-06	NOTE 17	100	VOL-E	UT-45L	NRI
Overlay combined with 1PZR-01-SE-01. Reinspection in accordance with ASME Section XI Appendix Q and per previous Second Interval Relief Request I2R-48 commitment.								
R-A	R01.11 1RC-16-01	1RY01C-4" 6"X4" REDUCER - SAFE END	I3R-01 I3R-06	NOTE 17	100	VOL-E	VOL	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using numerous refracted longitudinal wave angles (33, 40, 43, 45, and 60 degrees).								
R-A	R01.20 1RC-16-02	1RY01B-6" 4"X6" REDUCER - ELBOW	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero degree performed to confirm no counterbore present. Previously recorded geometry observed below recordable levels.								
R-A	R01.11 1RC-16-03	1RY01B-6" ELBOW - PIPE	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero degree performed to confirm no counterbore present. Previously observed geometry observed below recordable levels.								
R-A	R01.11 1RC-16-07	1RY01B-6" ELBOW - PIPE	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero degree performed to confirm no counterbore exists. Previously recorded geometry observed below recordable levels.								
R-A	R01.11 1RC-16-08	1RY01B-6" PIPE - ELBOW	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero degree performed to confirm thickness and contour and to confirm counterbore is not present. Root geometry observed below recordable levels.								
R-A	R01.20 1RC-32-01	1RY03AA-6" SAFE END - ELBOW	I3R-01 I3R-06	NOTE 17	99.5	VOL	UT-45L	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave angle.								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Reactor Coolant System (RY)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.20 1RC-32-07 SAFE END - ELBOW	1RY03AB-6"	I3R-01 I3R-06	NOTE 17	98.8	VOL	UT-45L	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave.								
R-A	R01.20 1RC-32-13 SAFE END - ELBOW	1RY03AC-6"	I3R-01 I3R-06	NOTE 17	100	VOL	UT-45L	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave.								
R-A	R01.20 1RC-35-01 SAFE END - ELBOW	1RY02A-6"	I3R-01 I3R-06	NOTE 17	100	VOL-E	UT-45L	NRI
Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave.								
R-A	R01.20 1RC-35-02 ELBOW - PIPE	1RY02A-6"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero degree performed to confirm no counterbore present. Previously recorded geometry observed below recordable levels.								
R-A	R01.20 1RC-35-04 TEE - 6"X3" REDUCER	1RY02A-6"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero degree performed to confirm counterbore not present. Previously recorded geometry observed below recordable levels.								
B-G-2	B07.50 1SI-23-B1 FLANGED CONNECTION (8 STUDS)	1RY76A-2"				SUR	VT-1	NRI
VT-1 of bolting completed prior to final reassembly under WO# 1277042-01.								

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
B-G-2	B07.70	1SI-06-1SI8818B (BLT) 1SI8818B CHECK VALVE (16 BLT)	1SI05DB-6"	NOTE 03 NOTE 16		SUR	VT-1	NRI
Valve was disassembled for maintenance under WO# 1060109-01, VT-1 and VT-3 examinations performed.								
B-M-2	B12.50	1SI-06-1SI8818B (INT) 1SI8818B CHECK VALVE INTERNALS	1SI05DB-6"	NOTE 16		SUR	VT-3	NRI
Valve was disassembled for maintenance under WO# 1060109-01, VT-1 and VT-3 examinations performed.								
R-A	R01.11	1SI-10-25 PIPE - ELBOW	1SI18FC-2"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-10-26.01 ELBOW - PIPE	1SI18FC-2"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-18-23 VALVE 1SI8810B - PIPE	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-18-24 PIPE - ELBOW	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-18-25 ELBOW - PIPE	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-18-26 PIPE - ELBOW	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-01 BRANCH CONNECTION - PIPE	1SI08GA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-06 COUPLING - PIPE	1SI08HA-2"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-07 PIPE - FLANGE	1SI08HA-2"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-08 FLANGE - PIPE	1SI08HA-2"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-14 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-15 ELBOW - PIPE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-16 PIPE - VALVE 1SI8810A	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-17 VALVE 1SI8810A - PIPE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-18 PIPE - FLANGE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-20 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI
R-A	R01.11	1SI-19-22 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2 NRI

Section 3.1.1 Detailed Third Interval Inservice Inspection Weld Table

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comments								
R-A	R01.11 1SI-19-23 ELBOW - PIPE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11 1SI-19-24 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
NA	ECCS 1SI-30-23AA PIPE - ELBOW	1SI09AA-10"		NOTE 19	100	VOL	UT-0 UT-45	NA NRI
Zero degree performed to verify weld contour and confirm no counterbore exists.								
NA	ECCS 1SI-35-54 ELBOW - ELBOW	1SI01A-8"		NOTE 19	100	VOL	UT-0 UT-45	NA NRI
Zero degree performed for thickness and counterbore detection. No counterbore detected.								

Section 3.1.2 Detailed Third Interval Preservice Weld / Component Table

SYSTEM: Safety Injection System (SI)

Section XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat. Item	Description		Requests	Notes	Coverage	Exam	Exam	
Comments								
R-A	R01.11	1SI-06-24 VALVE 1SI8819B - PIPE	1SI18FB-2"	I3R-01	NOTE 17	100	SUR PT	NRI
Existing weld was replaced during replacement of Valve 1SI8819B under WO# 1281799-01, documented as Weld FW 4A-1.								
R-A	R01.11	1SI-06-24A PIPE - ELBOW	1SI18FB-2"	I3R-01	NOTE 17	100	SUR PT	NRI
Existing weld was replaced during replacement of Valve 1SI8819B under WO# 1281799-01, documented as Weld FW 23A-1.								
R-A	R01.11	1SI-10-27.01 PIPE - ELBOW	1SI18FC-2"	I3R-01	NOTE 17	100	SUR PT	NRI
Replaced existing weld during replacement of Valve 1SI8819C under WO# 609949-01. Documented as Weld FW 5-1.								
R-A	R01.11	1SI-10-28.01 VALVE 1SI8819C - PIPE	1SI18FC-2"	I3R-01	NOTE 17	100	SUR PT	NRI
Replaced existing weld during replacement of Valve 1SI8819C under WO# 609949-01. Documented as Weld FW 6-1.								
R-A	R01.11	1SI-23-06-FD VALVE 1SI8819D - PIPE	1SI18FD-2"	I3R-01	NOTE 17	100	SUR PT	NRI
Existing weld was replaced during replacement of Valve 1SI8819D under WO# 1224737-01, documented as Weld FW 6-1.								

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Auxiliary Feedwater System (AF)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.20 1AF04031X Seismic	1AF02DB-4*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda.						
F-A	F01.20 1AF04032V Variable	1AF02DB-4*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda. (As Found Load: 643#).						
F-A	F01.20 1AF05001R Rigid	1AF02EC-4*			VT-3	NRI
F-A	F01.20 1AF05002X Seismic	1AF02DC-4*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda.						
F-A	F01.20 1AF05003V Variable	1AF02DC-4*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda. (As Found Load Setting: 488#)						
F-A	F01.20 1AF05067X Seismic	1AF02DC-4*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda.						
F-A	F01.20 1AF06046G Guide	1AF02DA-4*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda.						
F-A	F01.20 1AF06047R Rigid	1AF02DA-4*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda.						
F-A	F01.20 1FW10002R Rigid	1FW87BC-3*			VT-3	NRI
F-A	F01.20 1FW10003R Rigid	1FW87BC-3*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda.						
F-A	F01.20 1FW12002R Rigid	1FW87BB-3*			VT-3	NRI
Added for 3rd Interval. Reference IWC-1222(b) ASME SECTION XI, 2003 Edition / Addenda.						

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Component Cooling System (CC)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.30 1CC01017R (1) Strut	2CC01B-16"			VT-3	NRI
F-A	F01.30 1CC02008R (1) Rod	2CC02B-16"			VT-3	NRI
F-A	F01.30 1CC02142X (1) Strut	2CC02CA-12"			VT-3	NRI
F-A	F01.30 1CC03021X (1) Strut, integrally attached to pipe	0CC04B-16"		NOTE 02	VT-3	NRI
F-A	F01.30 1CC03031R (2) Rods	2CC04AB-12"			VT-3	NRI
F-A	F01.30 1CC03110R U-Bolt	2CC14DB-14"			VT-3	NRI
F-A	F01.30 1CC03116R (2) Rods	2CC05G-16"			VT-3	NRI
F-A	F01.30 1CC03143A Anchor, integrally attached to pipe	1CC05G-16"			VT-3	NRI
F-A	F01.30 1CC03A131R (1) Strut	2CC14DB-14"			VT-3	NRI

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Chemical & Volume Control System (CV)

Section XI		ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F01.20	1CV47009X (1) Strut	1CV05B-8"			VT-3	NRI

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Main Steam System (MS)

Section XI		ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F01.20	1MS05006R Steel	1MS01AA-30.25"			VT-3	NRI
F-A	F01.20	1MS07005R Steel	1MS01AC-32.75"			VT-3	NRI
F-A	F01.20	1MS08006R Steel	1MS01AD-30.25"			VT-3	NRI

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Reactor Coolant System (RC)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.10 1CV03003X (1) Strut	1RC28A-3"			VT-3	NRI
F-A	F01.10 1CV06020C (1) Constant Spring Can	1RC36A-3"			VT-3	NRI
Actual Travel Setting: 2 1/2"						
F-A	F01.40 1RC01R REACTOR	1RC01R			VT-3	IO
VT-3 of reactor vessel support ("A" Cold Leg, "B" Hot Leg, "C" Cold Leg, and "D" Hot Leg Nozzles) performed after mirror insulation was removed in support of Code Case N-722 Visual, VE examinations and MSIP clamp field walkdowns. Minor corrosion (no associated wastage/degradation) noted.						
F-A	F01.10 1RC16104X Box	1RC22AA-1.5"			VT-3	NRI
F-A	F01.10 1RC16116R Box	1RC22AA-1.5"			VT-3	NRI
F-A	F01.10 1RC17053R (1) Strut	1RC22AB-1.5"			VT-3	NRI
F-A	F01.10 1RC17057X (1) Strut	1RC22AB-1.5"			VT-3	NRI
F-A	F01.10 1RC18031G Box	1RC22AC-1.5"			VT-3	NRI
F-A	F01.10 1RC18032X Box	1RC22AC-1.5"			VT-3	NRI
F-A	F01.10 1RC19041X (1) Strut	1RC22AD-1.5"			VT-3	NRI
F-A	F01.10 1RC19044G U-Bolt	1RC22AD-1.5"			VT-3	NRI
F-A	F01.10 1RC19056R Box	1RC22AD-1.5"			VT-3	NRI
F-A	F01.10 1RY06006X (1) Strut	1RC24AB-4"			VT-3	NRI
F-A	F01.10 1RY06013V (1) Variable Spring Can	1RC24AA-4"			VT-3	NRI
F-A	F01.10 1RY06056X (1) Strut	1RC24AA-4"			VT-3	NRI

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Residual Heat Removal System (RH)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.20	1CV47044A Anchor, integrally attached to pipe	1RH12A-8"		VT-3	NRI
F-A	F01.20	1SI18007R Slide Plate	1RH03AB-8"		VT-3	NRI
F-A	F01.20	1SI18009R (1) Strut	1RH03AB-8"		VT-3	NRI

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Safety Injection System (SI)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.10 1RB-064A	1SI03FB-2"			VT-3	NRI
	Anchor, integrally attached to pipe					
F-A	F01.40 1RH01SA-INBOARD-SUPPORT	1RH01SA			VT-3	NRI
	Ref. Dwg. 1-CISI-1000 Sht. 6A, Rev. A, Sht.6B , Rev. A ,Dwg.1SI06A01X Rev. E, 1SI06A02R Rev. K.					
F-A	F01.40 1RH01SA-OUTBOARD-SUPPORT	1RH01SA			VT-3	NRI
	Ref. Dwg. 1-CISI-1000 Sht. 6A, Rev. A, Sht.6B , Rev. A ,Dwg.1SI06A01X Rev. E, 1SI06A02R Rev. K.					
F-A	F01.10 1RH02037R	1SIA4B-8"			VT-3	NRI
	(1) Strut					
F-A	F01.10 1RH02040R	1SIA4B-8"			VT-3	NRI
	(2) Struts					
F-A	F01.10 1RH02064V	1SIA4B-8"			VT-3	NRI
	(1) Variable Spring Can					
	As Found Load Setting: 1717#.					
F-A	F01.10 1SI01023R	1SI05DA-6"			VT-3	NRI
	Box					
F-A	F01.10 1SI04014V	1SI05DB-6"			VT-3	NRI
	(1) Variable Spring Can					
F-A	F01.20 1SI06105X	1SI01B-24"			VT-3	NRI
	(1) Strut					
F-A	F01.40 1SI06A01X	1RH01SA			VT-3	NRI
	(2) Struts					
F-A	F01.40 1SI06A02R	1RH01SA			VT-3	NRI
	Steel, Attached to Can Valve Assembly					
F-A	F01.20 1SI18013X	1SI05AB-8"			VT-3	NRI
	Box					
F-A	F01.20 1SI18039R	1SI05AB-8"			VT-3	NRI
	(1) Rod					
F-A	F01.20 1SI18082R	1SI05AA-8"			VT-3	NRI
	(2) Struts					
F-A	F01.20 1SI18083A	1SI05AB-8"			VT-3	NRI
	Anchor, integrally attached to pipe					
F-A	F01.10 1SI23007R	1SI08FA-3"			VT-3	NRI
	Box					

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Essential Service Water System (SX)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.30 1AF03014X (2) Struts	1SXB7A-8"			VT-3	NRI
F-A	F01.30 1AF03030X Box	1SX25AA-6"			VT-3	NRI
F-A	F01.20 1PC-015A Anchor, integrally attached to pipe	1SX06BA-16"			VT-3	NRI
F-A	F01.30 1SX01001R (2) Rods	2SX02AB-36"			VT-3	NRI
F-A	F01.30 1SX01003R (2) Rods	2SX13A-36"			VT-3	NRI
F-A	F01.30 1SX01018X U-Bolt	1SX02AB-36"			VT-3	NRI
F-A	F01.30 1SX01020R (1) Strut	2SX13A-36"			VT-3	NRI
F-A	F01.30 1SX01022R (1) Strut	1SX04AB-20"			VT-3	NRI
F-A	F01.30 1SX02002R (1) Strut	0SX03CA-48"		NOTE 02	VT-3	NRI
F-A	F01.30 1SX02038X (1) Strut, integrally attached to pipe	1SX03A-30"			VT-3	NRI
F-A	F01.30 1SX02045X (1) Strut, integrally attached to pipe	0SX03A-30"		NOTE 02	VT-3	NRI
F-A	F01.30 1SX02060R (1) Strut, integrally attached to pipe	1SX03A-30"			VT-3	NRI
F-A	F01.30 1SX02069X (1) Strut	0SX02CB-48"		NOTE 02	VT-3	NRI
F-A	F01.30 1SX02073X (1) Strut	1SX03B-42"			VT-3	NRI
F-A	F01.30 1SX02078R Stanchion, integrally attached to pipe	1SX03A-30"			VT-3	NRI
F-A	F01.20 1SX06002G Box	1SX06BA-16"			VT-3	NRI
F-A	F01.20 1SX06007R Box	1SX06CA-14"			VT-3	NRI
F-A	F01.20 1SX07007G (1) Strut	1SX06CB-14"			VT-3	NRI
F-A	F01.20 1SX07012R Box	1SX06EB-10"			VT-3	NRI
F-A	F01.20 1SX07034X (1) Strut	1SX06CB-14"			VT-3	NRI

Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Essential Service Water System (SX)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.20 1SX08001R (1) Strut	1SX07FA-16"			VT-3	NRI
F-A	F01.20 1SX08010G Strut and U-Bolt	1SX07EA-14"			VT-3	NRI
F-A	F01.20 1SX08097X (1) Strut	1SX09CA-10"			VT-3	NRI
F-A	F01.20 1SX09001R (1) Strut	1SX07FB-16"			VT-3	NRI
F-A	F01.20 1SX09046R (1) Strut	1SX07FB-16"			VT-3	NRI
F-A	F01.30 1SX24001R (2) Rods	1SX07HB-20"			VT-3	NRI
F-A	F01.30 1SX24003R (2) Rods	1SX07HB-20"			VT-3	NRI
F-A	F01.30 1SX24013R (2) Rods	1SX07HB-20"			VT-3	NRI
F-A	F01.30 1SX25015R (1) Strut	1SX02B-30"			VT-3	NRI
F-A	F01.30 1SX30019G (2) Struts	1SX05CB-6"			VT-3	NRI
F-A	F01.30 1SX36021R U-Bolt	1SX05CA-6"			VT-3	NRI
F-A	F01.30 1SX71010G U-Bolt	1SXA9A-6"			VT-3	NRI

Section 3.1.4 Detailed Preservice Component Support Table

SYSTEM: Reactor Coolant System (RC)

Section XI	Component ID	Line Number	Relief	Technical	Exam	Results
Cat. Item	Description		Requests	Notes		
Comments						
F-A F01.40	1RC01BA S.G A	1RC01BA			VT-3	NRI
Performed post maintenance VT-3 after repairs specified in EC 381691 were completed under WO 1375122. VT-3 examinations were performed with system cold (10/20/2010) and hot (11/4/2010).						
F-A F01.40	1RC01BC S.G C	1RC01BC			VT-3	NRI
During visual examination of 1RC01BC shim packs, the upper right nut on the southwest shim pack was found to be loose (reference IR 1121934). The remaining bolting was tight and intact. Tightened loose bolting and performed post maintenance VT-3 examination with system cold (10/15/2010) and again with system hot (11/4/2010).						

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Auxiliary Feedwater System (AF)

Section XI	ISI Identifier		Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F01.20	1AF06004S Snubber	1AF02EA-4*		NOTE 01	VT-3 FT	NRI NRI
Functionally Tested For Service Life Monitoring.							
F-A	F01.20	1FW12025S Snubber	1FW87BB-3*		NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-1.							

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

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Containment Spray System (CS)

Section XI		ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
NA	NA	1CS04010S Snubber	1CS02AA-10*		NOTE 01	VT-3 FT	NRI NRI

Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Chemical & Volume Control System (CV)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
NA	NA	1CV30002S Snubber	1CV15AD-.75"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-1.						
NA	NA	1CV31007S Snubber	1CV15DA-.75"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-1.						
NA	NA	1CV41036S Snubber	1CV14ED-2"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-1.						

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

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Main Steam System (MS)

Section XI		ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
F-A	F01.20	1MS01079S Snubber, integrally attached to pipe	1MS07AA-28*		NOTE 01	VT-3 FT	NRI NRI
Snubber selected for Functional Testing for Service Life Monitoring.							

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

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Reactor Coolant System (RC)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.10	1CV15111S Snubber	1RC14AB-2*	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.40	1RC01BA-A Snubber	S.G A	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BA-B Snubber	S.G A	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BB-A Snubber	S.G B	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BB-B Snubber	S.G B	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BC-A Snubber	S.G C	NOTE 01	VT-3 VT-3	NRI NRI
F-A	F01.40	1RC01BC-B Snubber	S.G C	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BD-A Snubber	S.G D	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BD-B Snubber	S.G D	NOTE 01	VT-3 FT	NRI NRI
Functional test per WO# 1293926. Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-4.						
F-A	F01.10	1RC03006S Snubber	1RC21AC-8*	NOTE 01	VT-3 VT-3	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-3.						
F-A	F01.10	1RC04005S Snubber	1RC21AD-8*	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1RC17058S Snubber	1RC22AB-1.5*	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-1.						
F-A	F01.10	1RC19042S Snubber	1RC22AD-1.5*	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-1.						
NA	NA	1RC19060S Snubber	1RC20AD-.75*	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-1.						

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

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Residual Heat Removal System (RH)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.10	1RH02012S Snubber	1RH01AB-12"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Sample Expansion due to Functional Test Failure in the 1st Mandatory Sample (1SI09015S, reference IR 1124493): Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1RH02047S Snubber	1RH01AA-12"	NOTE 01	VT-3 FT	NRI NRI
Snubber replaced during A1R15 under WO# 1224658. New Snubber Serial Number 41264. Old Serial Number is 9657. Snubber was functionally tested for Service Life Monitoring. Pre Service test was performed on the replacement and an as found test was performed on the replaced snubber.						
F-A	F01.10	1RH02205AS Snubber	1RH01AA-12"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1RH02205BS Snubber	1RH01AA-12"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
NA	NA	1RH02217S Snubber	1RH26AB-.75"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Service Life Monitoring.						
F-A	F01.20	1RH04011S Snubber	1RH03AB-8"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						

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

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Reactor Coolant System (RY)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A F01.10	1RY06027S Snubber	1RY01B-6*		NOTE 01	VT-3 FT	NRI NRI
Snubber was functionally tested for Service Life Monitoring because it was removed from it's location to support Maintenance on pump 1RC01PD. Reference Issue Reports 1124383 and 1128776 for identification of Regulatory Non Compliance with regard to the fact that the snubber was removed 2 previous times without having the Code Case OMN-13, required VT-3 Examination of the snubber prior to removal during the first 2 evolutions. The snubber was removed 3 times in support of maintenance during A1R15.						
F-A F01.10	1RY06031S Snubber	1RY01B-6*		NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						

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

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Steam Generator Blowdown System (SD)

Section XI		ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat.	Item	Description					
Comments							
NA	NA	1SD24078S Snubber	1SD01CD-2"		NOTE 01	VT-3 FT	NRI NRI

Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Safety Injection System (SI)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.10	1RH02069S Snubber	1SI04D-8"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Sample Expansion due to Functional Test Failure in the 1st Mandatory Sample (1SI09015S, reference IR 1124493): Design Test Plan Grouping DTPG-1-2.						
NA	NA	1SI01007S Snubber	1SI09BA-10"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Sample Expansion due to Functional Test Failure in the 1st Mandatory Sample (1SI09015S, reference IR 1124493): Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI01029S Snubber	1SI05DA-6"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.20	1SI01032S Snubber	1SI09AA-10"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI01034S Snubber	1SI05DA-6"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.20	1SI02003S Snubber	1SI05CA-8"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI03016S Snubber	1SI05DD-6"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI03020S Snubber	1SI05DD-6"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI03023S Snubber	1SI09BD-10"	NOTE 01	VT-3 VT-3	NRI NRI
Reason for Selection for Functional Testing: Sample Expansion due to Functional Test Failure in the 1st Mandatory Sample (1SI09015S, reference IR 1124493): Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI04016S Snubber	1SI05DB-6"	NOTE 01	VT-3 FT	NRI NRI
Preservice functional and VT-3 examinations required after existing snubber (Serial Number 16732) was replaced under WO# 1294115. New Snubber S.N. 25622. Reason for Functional Testing: Service Life Monitoring.						
F-A	F01.20	1SI04024S Snubber	1SI05CB-8"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.20	1SI04026S Snubber	1SI05CB-8"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Sample Expansion due to Functional Test Failure in the 1st Mandatory Sample (1SI09015S, reference IR 1124493): Design Test Plan Grouping DTPG-1-2.						

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

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Safety Injection System (SI)

Section XI	ISI Identifier	Line Number	Relief Requests	Technical Notes	Actual Exam	Results
Cat. Item	Description					
Comments						
F-A	F01.20	1SI09006S Snubber	1SI05CB-8"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI09013S Snubber	1SI05DC-6"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI09015AS Snubber	1SI05DC-6"	NOTE 01	VT-3 FT	NRI FAIL
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2. Snubber Serial Number 15517 failed functional test for drag in compression and was replaced with Serial Number 20643. Reference Issue Report 1124493 for identification in CAPand Engineering Change 381733 for evaluation for adverse affects on piping system. Sample expansion to snubbers 1SI03023S, 1SI04026S, 1RH02069S, 1RH02012S, 1SI01031S, 1SI01007S, 1SI03021S, 1SI09038S1, and 1SI09038S2.						
F-A	F01.10	1SI09015BS Snubber	1SI05DC-6"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing (Sample expansion due to failed snubber 1SI09015AS, reference IR 1124493): Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-2.						
F-A	F01.10	1SI09039S Snubber	1SI05DC-6"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Mandatory 1st Sample: Design Test Plan Grouping DTPG-1-3.						
F-A	F01.10	1SI16029S Snubber	1SI18FC-2"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Service Life Monitoring as snubber was removed from its location in support of maintenance (Valve Work)						
F-A	F01.10	1SI24012S Snubber	1SI08JA-1.5"	NOTE 01	VT-3 FT	NRI NRI
Reason for Selection for Functional Testing: Sample Expansion due to Functional Test Failure in the 1st Mandatory Sample: Design Test Plan Grouping DTPG-1-1.						

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

Section 3.1.6 Detailed Third Interval Preservice Snubber Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat. Item	Component ID Description	Line Number	Relief Requests	Technical Notes	Exam	Results
Comments						
F-A F01.40	1RC01BD-B Snubber	S.G D		NOTE 01	VT-3	NRI
Post maintenance examination after existing cap screws for adaptor were replaced under WO# 1293926-01.						

Section 3.1.6 Detailed Third Interval Preservice Snubber Table

SYSTEM: Residual Heat Removal System (RH)

Section XI	Component ID	Line Number	Relief	Technical	Exam	Results
Cat. Item	Description		Requests	Notes		
Comments						
F-A	F01.10 1RH02047S Snubber	1RH01AA-12"		NOTE 01	VT-3	NRI
Post maintenance VT-3 examination, existing PSA-3 snubber (Serial Number 9657) was replaced by functionally tested spare (Serial Number 41624) under WO# 1224658-01.						

Section 3.1.6 Detailed Third Interval Preservice Snubber Table

SYSTEM: Safety Injection System (SI)

Section XI Cat.	Item	Component ID Description	Line Number	Relief Requests	Technical Notes	Exam	Results
Comments							
F-A	F01.10	1SI04016S Snubber	1SI05DB-6"		NOTE 01	VT-3	NRI
Removed existing PSA-3 mechanical snubber (Serial Number 15517) and tested under Service Life Monitoring Program, replaced with tested spare snubber Serial Number 25622 in accordance with IWA-4132 requirements.							
F-A	F01.10	1SI09015AS Snubber	1SI05DC-6"		NOTE 01	VT-3	NRI
Post maintenance VT-3 after existing PSA-3 snubber (Serial Number 15517) failed functional test (reference IR 1124493) and was replaced with functionally tested spare (Serial Number 20643).							

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

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Auxiliary Feedwater System (AF)

Section XI		Component ID	Relief	Technical	Required	Results
Cat.	Item	Inspection Notes	Requests	Notes	Exam	
Comments						
C-H	C07.10	A01AF-000005-M04-02C			VT-2	NRI
Period ASME Section XI Pressure Test.						
Partial examination complete on 7/23/2010, balance of test block was completed on 10/1/2010 when access to AF steam tunnel was available. No indications noted.						

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Chemical & Volume Control System (CV)

Section XI Cat. Item	Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comments					

C-H	C07.10	A01CV-000004-M04-01A Period ASME Section XI Pressure Test.	NOTE 21 NOTE 24	VT-2	IO
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Packing leaks (IO) were noted at the following valves:

1CV012 (IR 1093212); 1CV210 (also threaded cap, IR 1093210); 1CV110A (IR 1093207); 1CV072 (IR 1093205); 1CV8133 (IR 1093203); 1CV017A (1093202); 1CV471 (IR 1093199); 1CV8355D (IR 1092541); 1CV051D (IR 1092538); 1CV8384B (IR 1092485); 1CV207 (IR 1092479); 1CV8109 (IR 1092474); and 1CV8355C (IR 1092548)

Leaks at mechanical connections (pipe caps, compression fittings, etc.) were noted at the following:

1CV03P fitting (IR 1093196); 1CV065B pipe cap (IR 1092545); 1CV206 threaded cap (1092488)

C-H	C07.10	A01CV-000004-M04-01B Period ASME Section XI Pressure Test.	NOTE 21 NOTE 24	VT-2	NRI
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No recordable indications.

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Fuel Pool Cooling System (FC)

Section XI		Component ID	Relief Requests	Technical Notes	Required Exam	Results
Cat.	Item	Inspection Notes				
Comments						
C-H	C07.10	A01FC-000001-M04-01C Period ASME Section XI Pressure Test. No recordable indications.		NOTE 22	VT-2	NRI
C-H	C07.10	A01FC-000001-M04-01D Period ASME Section XI Pressure Test. No recordable indications.		NOTE 22	VT-2	NRI

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Instrument Air System (IA)

Section XI		Component ID	Relief	Technical	Required	Results
Cat.	Item	Inspection Notes	Requests	Notes	Exam	
Comments						
C-H	C07.10	A011A-000004-M04-01A			VT-2	NRI
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.						

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat. Item	Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comments					
C-H C07.10	A01RH-000003-M04-01A Period ASME Section XI Pressure Test. VERIFY loop "A" in service. Pressurize 1A sample line per BwCP 613-3. Performed walkdowns on 10/17/201, 10/19/2010 and remainder on 12/3/2010. The following indications were noted during 10/19/2010 examination: Line 1RH02AA-10" target residue (IR 1128858); dry boron on Valve 1SI8812A actuator (IR 1128846) Dry boron at the following valve packing: 1RH026A (IR 1129856); 1RH011A (IR 1129857); 1SI058A (IR 1129861) Dry boron at Pump 1RH01PA seal cooler line (previously identified under IR 1120716)		NOTE 22	VT-2	IND
C-H C07.10	A01RH-000003-M04-01B Period ASME Section XI Pressure Test. VERIFY loop "B" in service. Pressurize 1B sample line per BwCP 613-3. Performed walkdowns on 10/17/201, 10/19/2010 and remainder on 12/3/2010. The following indications were noted during 10/19/2010 examination: Line 1RH10AB-3" significant boron deposit upstream of Valve 1RH611 (IRs 1128331 and 1128397). Determined to be from old leak above (insulation was removed to verify no through-wall pipe leakage). 1RH8716B body-to-bonnet interface (IR 1129888 for gasket replacement in A1R16). Dry boron at packing of the following valves: 1RH011B (including pipe cap) (IR 1129883; 1RH027 (IR 1129884); 1RH028B (including downstream fitting) (IR 1129886); 1SI059B (including quick disconnect fitting) (IR 1129887; 1SI160 (IR 1129893)		NOTE 22	VT-2	IO
C-H C07.10	A01RH-000003-M04-01D Period ASME Section XI Pressure Test. Performed walkdown on 10/16/2010. Dry boron residue at body-to-bonnet of Valve 1SI8818A (IR 1127299), evaluation performed		NOTE 22	VT-2	RI
C-H C07.10	A01RH-000003-M04-01E Period ASME Section XI Pressure Test. Performed walkdown on 10/17/2010. Dry boron residue at body-to-bonnet interface of Valve 1SI8818C (previously identified on 10/6/2010, IR 1127298). Bolting evaluated for continued service.		NOTE 22	VT-2	RI

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comments					
C-H C07.10	A01SI-000010-M04-01A Period ASME Section XI Pressure Test.		NOTE 22	VT-2	IO
Portions of test block examined in conjunction with 1BwVSR TRM 2.5.c.3 (SI Cold Leg Injection test, WO# 1291457) on 10/17/2010, balance of test block inspected on 12/3/2010.					
Information Only dried boric acid/packing leaks at the following:					
1PI-SI116 (IR 1149700); 1SI016A (IR 1149729); 1SI8888 (IR 1149790); 1SI051 (IR 1149794)					
C-H C07.10	A01SI-000010-M04-01B Period ASME Section XI Pressure Test.		NOTE 22	VT-2	IO
RI at 1SI01PB (1B SI pump) discharge flange (IR 1144185). Bolting closest to the source of leakage was pulled and examined by VT-3 method in accordance with ASME Section XI IWA-5250(a)(2) under WO# 1391611. No degradation was noted on bolting.					
IO indications were noted at the following packing/mechanical connections:					
1SI050 quick disconnect (IR 1144165); 1SI027D (IR 1144174); 1SI027C (IR 1144178); 1SI8919B threaded body-to-cap connection (IR 1144197); 1SI01PB (1B SI pump) inboard seal drain connection (IR 1144212); 1SI01PB (1B SI pump) outboard seal flush line connection (IR 1144223)					
C-H C07.10	A01SI-000010-M04-01C Period ASME Section XI Pressure Test.		NOTE 22	VT-2	NRI
No recordable indications.					
C-H C07.10	A01SI-000010-M04-01D Period ASME Section XI Pressure Test.		NOTE 22	VT-2	NRI
Examination performed in conjunction with 1BwVSR TRM 2.5.c.2 for 1A CV pump flow balancing.					
IO for dry packing leak on 1SI045, outside of test boundary (IR 1127865)					
C-H C07.10	A01SI-000010-M04-01F Period ASME Section XI Pressure Test.		NOTE 22	VT-2	RI
Examination performed in conjunction with RPV cavity fill under 1BwOSR 5.5.8.RH-6 using BwOP RH-8.					
RI for unquantifiable weeping at body-to-bonnet interface of 1SI8841B (IR 1116141 and 1164972). Evaluation of bolting performed in accordance with Code Case N-566-2, WR 00356995 initiated to clean/tighten bolting in A1R16 outage.					
IO leaks at packing/mechanical connections on the following:					
1SI090 (IR 1123717); 1SI089 pipe cap (IR 1123715); 1SI8825 (IR 1123714); dry boric acid residue on Line 1SI04B-12" (IR 1125134)					
C-H C07.10	A01SI-000010-M04-01G Period ASME Section XI Pressure Test.		NOTE 22	VT-2	IO
IO indication of packing leak at 1SI8888 (IR 1149790)					
C-H C07.10	A01SI-000010-M04-01J Period ASME Section XI Pressure Test.		NOTE 22	VT-2	IO
1A SI accumulator. Snoop solution used on nitrogen side of accumulator.					
IO packing leak at 1SI8878A (IR 1134696).					
C-H C07.10	A01SI-000010-M04-01K Period ASME Section XI Pressure Test.		NOTE 22	VT-2	NRI
1B SI accumulator. No recordable indications. Snoop solution used on nitrogen side of accumulator.					

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Safety Injection System (SI)

Section XI Cat. Item	Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comments					
C-H C07.10	A01SI-000010-M04-01L Period ASME Section XI Pressure Test.		NOTE 22	VT-2	NRI
1C SI accumulator. No recordable indications. Snoop solution used on nitrogen side of accumulator.					
1SI04TC pneumatic test completed on 11/2/2010 for post maintenance test for WO# 1294485 activities.					
C-H C07.10	A01SI-000010-M04-01M Period ASME Section XI Pressure Test.		NOTE 22	VT-2	IO
1D SI accumulator. Snoop solution used on nitrogen side of accumulator.					
IO indication for dry boric acid residue 1SI8878D (IR 1134697).					
C-H C07.10	A01SI-000010-M04-01P Period ASME Section XI Pressure Test.		NOTE 22	VT-2	NRI
No recordable indications.					

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Essential Service Water System (SX)

Section XI		Component ID	Relief	Technical	Required	Results
Cat.	Item	Inspection Notes	Requests	Notes	Exam	
Comments						
C-H	C07.10	A01SX-000011-M04-01N Period ASME Section XI Pressure Test.			VT-2	IO
1B RCFC completed 10/10/2010, 1D RCFC completed 10/12/2010. Piping outside of plenums (377' and 401' elevations) was examined on 10/3/2010. Minor corrosion was noted for information on bolting on Valves 1SX021B and 1SX025C (reference IR 1134644), WO# 1384275 initiated to clean and coat Valves 1SX021A, 1SX021B, 1SX021C, a1SX021D, 1SX025A, 1SX025B, 1SX025C, and 1SX025D during A1R16.						
C-H	C07.10	A01SX-000011-M04-01P Period ASME Section XI Pressure Test.			VT-2	NRI
1A RCFC completed on 10/16/2010, 1C RCFC completed on 10/6/2010. Piping outside of plenums (377' and 401' elevations) was examined on 10/3/2010. Minor corrosion was noted for information on bolting on Valves 1SX021B and 1SX025C (reference IR 1134644), WO# 1384275 initiated to clean and coat Valves 1SX021A, 1SX021B, 1SX021C, a1SX021D, 1SX025A, 1SX025B, 1SX025C, and 1SX025D during A1R16.						

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Plant Systems Pressurized During Mode 3 (ZZ)

Section XI		Component ID	Relief	Technical	Required	Results
Cat.	Item	Inspection Notes	Requests	Notes	Exam	
Comments						
B-P	B15.10	A01ZZ-000005-M04-01A Each Refueling Outage ASME Section XI Pressure Test & Generic Letter 88-05. Class 1 components.		NOTE 22 NOTE 23	VT-2	NRI
System leakage test at conclusion of A1R15. No recordable indications noted in Class 1 systems.						

Section 3.1.8 Detailed Borated Bolted Connection Table

SYSTEM: Chemical & Volume Control System (CV)

Section XI	Component ID	Relief	Technical	Actual	Results
Cat. Item	Description	Requests	Notes	Exam	
Comments					
B-P B15.10	PG-2546C-014 F-2-2 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-018 F-1-5 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-020 F-1-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-022 F-2-3 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-041 F-1-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-063 F-1-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-068 F-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-083 FL-1-2 (C-H) FLANGED CONNECTION (8 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-089 FL-1-1 (C-H) FLANGED CONNECTION (8 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-090 F-1-1 (C-H) FLANGED CONNECTION (8 STUDS)			VT-2	NRI
Component is Located Inside Containment					
B-P B15.10	PG-2546C-091 F-2-3 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
C-H C07.10	PG-2546C-093 F-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					
B-P B15.10	PG-2546C-101 F-2-3 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment					

Section 3.1.8 Detailed Borated Bolted Connection Table

SYSTEM: Pressurizer (PZR)

Section XI		Component ID	Relief	Technical	Actual	Results
Cat.	Item	Description	Requests	Notes	Exam	
Comments						
B-P	B15.10	1PZR-01-B1 (B-P)			VT-2	NRI
		MANWAY BOLTING (16 TOTAL)				
Component is Located Inside Containment						

Section 3.1.8 Detailed Borated Bolted Connection Table

SYSTEM: Reactor Coolant System (RC)

Section XI Cat.	Item	Component ID Description	Relief Requests	Technical Notes	Actual Exam	Results
Comments						
B-P	B15.10	1RC-19-B3 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1RC-20-B1 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1RC-23-B1 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1RC-27-B1 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1RV-03-STUDS (01 TO 54, B-P) CLOSURE HEAD STUDS (54 TOTAL)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-05-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-05-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-06-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-06-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-07-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-07-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-08-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						
B-P	B15.10	1SG-08-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Component is Located Inside Containment						

Section 3.1.8 Detailed Borated Bolted Connection Table

SYSTEM: Residual Heat Removal System (RH)

Section XI	Component ID	Relief	Technical	Actual	Results
Cat. Item	Description	Requests	Notes	Exam	
Comments					
C-H C07.10	1RH-02 F-1-1 (C-H) FLANGED CONNECTION (20 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-02 F-2-1 (C-H) FLANGED CONNECTION (20 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-02 F-4 (C-H) FLANGED CONNECTION (8 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-03 F-2 (C-H) FLANGED CONNECTION (24 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-05 F-1 (C-H) FLANGED CONNECTION (24 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-05 F-2 (C-H) FLANGED CONNECTION (24 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-05 F-3-1 (C-H) FLANGED CONNECTION (12 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-06 F-1-1 (C-H) FLANGED CONNECTION (12 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-07 F-2-1 (C-H) FLANGED CONNECTION (20 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH-07 F-3-1 (C-H) FLANGED CONNECTION (20 STUDS)			VT-2	NRI
Component is located Outside Containment					
C-H C07.10	1RH606 (C-H) 1RH606 VLV (4 STUDS)			VT-2	NRI
Component is located Outside Containment					

4.0 NIS-1 FORM

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

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

1. Owner Exelon Generation Company (EGC, LLC), 200 Exelon Way, Kennett Square, PA, 19348
(Name and Address of Owner)
2. Plant Braidwood Station, 35100 South Route 53, Suite 84, Braceville, Illinois 60450
(Name and Address of Plant)
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 99 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
Residual Heat Removal 1RH02AA	Joseph Oats	2267-1E	Not Applicable	840
Steam Generator 1RC01BA	ComEd / BWI	7735-01	U-237763	168

See Sections 3.1 through 3.1.8 and associated tables for specific Class 1 and 2 component locations examined for the Third Interval ISI Program.

FORM NIS-1 (Back)

8. Examination Dates: June 11, 2009 to January 12, 2011
9. Inspection Period Identification: 1st Period, Third Interval - From July 29, 2008 through July 28, 2011 (except Category B-B which ended October 7, 2010)
10. Inspection Interval Identification: 3rd Interval - From July 29, 2008 through July 28, 2018
11. Applicable Edition of Section XI 2001 Edition Addenda 2003 Addenda
12. Date/Revision of Inspection Plan: August 4, 2010 / Revision 3
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 February 1 20 11 Signed Exelon Nuclear Braidwood Station

By Brendan J. Casey Braidwood ISI Program 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 6-11-09 to 01-12-11 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.

L. W. Cullen Commissions NB#8756, IL#1085 A.N.I.C
Inspector's Signature National Board, State, Province, and Endorsements

Date 02-01 20 11

Braidwood Unit 1 Non-Deferrable Inspection Status (Third Interval) After A1R15 per IWA-6220(f)				
Code Category	Code Item Number	Total Number Selected (Interval)	Total Number Examined in A1R15	Current Percentage Completed for Category
B-A	B1.30	1	0	0%
	B1.40	1	0	
B-B	B2.11	2	0	3/5 = 60% *Credited to Second Period
	B2.12	2	0	
	B2.40	1	1*	
B-D	B3.110	6	2	4/20 = 20%
	B3.120	6	2	
	B3.140	8	0	
B-K	B10.10	1	1	1/3 = 33%
	B10.20	2	0	
B-N-1	B13.10	1	1	Once per period
B-P	B15.10	Every Outage	1	Not Applicable
B-Q	B16.20	Per Technical Specifications	0	Not Applicable
C-A	C1.10	2	0	1/5 = 20%
	C1.20	2	0	
	C1.30	1	1	
C-B	C2.21	5	1	2/6 = 33%
	C2.22	1	1	
C-C	C3.10	1	1	5/14 = 35.7%
	C3.20	10	0	
	C3.30	3	0	
C-H	C7.10	38	22	Once per period
D-A	D1.10	6	2	6/20 = 30%
	D1.20	13	4	
	D1.30	1	0	
D-B	D2.10	35	11	Once per period
E-A	E1.11	256	256	Once per period
	E1.30	1	1	
E-C	E4.11	19	19	100%
F-A	F1.10	199	21	180/562 = 32%
	F1.20	175	34	
	F1.30	151	32	
	F1.40	37	9	
L-A	L1.11	2	0	0%
L-B	L.2.10	965	0	0%
R-A	Butt Welds	186	18	44/186 = 23.7%
	Socket Welds	123 Welds Every Outage	123	

5.0 REPORT OF CONTAINMENT DEGRADATION

Containment inspections are performed in accordance with 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 in 10 CFR 50.55a. 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)(ix)(A)(1) through (3).

The third Interval / first Period Class MC General Visual Examinations were completed. All indications identified during the General Visual Examinations were reviewed and accepted as is without further evaluation by the Responsible Individual as defined in ASME Section XI.

The completed surveillances for IWE contain all the examination details along with indications recorded and their associated evaluations required by ASME Section XI.

There were no IWL surveillances completed prior to or during A1R15 and thus there are no results to report.

The following discusses augmented exams performed under the containment moisture barrier.

5.1 A1R15 Containment Metal Liner Examinations (IWE)

Augmented Section XI IWE examinations of the Class CC liner examinations for the Third Interval were performed in accordance with the requirements of ASME Section XI, Table IWE-2500-1, Category E-C, Containment Surfaces Requiring Augmented Examination.

Exelon Procedures ER-AA-330-007, "Visual Examination of ASME Section XI Class MC Surfaces and Class CC Liners", 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", and ER-AA-335-004 "Ultrasonic Measurement Of Material Thickness and Interfering Conditions" were used to perform the examinations.

A description of the type and estimated extent of degradation, and the conditions that led to the degradation [10CFR 50.55a(b)(2)(ix)(A)(1)]:

During the performance of augmented examinations of the Unit 1 containment liner plate, additional degradation was discovered in surfaces below the moisture barrier (MB). Approximately 150' of moisture barrier removal and examinations were included in the initial A1R15 scope. The most notable type of degradation was liner pitting just below the MB resulting in metal loss of varying depths. The examination methods included VT-1 (Detailed Visual) and UT. With regard to initial scope for A1R15, the maximum pit depth identified was 10/64" at one location between R-19 and R-20. A pit depth of 6/64" was identified at two other locations. These locations were between R-19 and R-20 and near R-13.

Extent of condition:

As a result of discovery of the 10/64" and 6/64" pitted areas as previously discussed, the inspection scope was expanded during A1R15. Approximately 50' of additional moisture barrier was removed and VT-1 (Detailed Visual) UT examinations were performed. The

**Braidwood Station Unit 1
A1R15 ISI Outage Report**

areas included in the expanded scope focused on those adjacent to those with large metal loss. The results of the exams performed in the expanded scope revealed a pit depth of 10/64" at one location between R-20 and R-21 and a pit depth of 6/64" at another location between R-12 and R-13.

The results of the exams performed in all other areas included in the initial and expanded scopes revealed pit depths ranging from 1/64" to 4/64". There was no further scope expansion in A1R15.

Description of the conditions that led to the degradation:

It is evident based on the recorded observations that the significant portions of the liner plate degradation below the MB are attributed to corrosion. The liner plate surface below the MB was coated with Carbo Zinc CZ11 in year 2000 which does not tolerate improper surface preparation. This coating product is not recommended for use unless white metal condition with a contoured surface profile is achieved. Since this strip of liner plate below the MB is not easily accessible, it is unlikely that the proper surface preparation was attained. Furthermore, the liner plate surface may not have been completely dried (some moisture left in the wall from the wet Cerafibre resting against it) when the MB was replaced in 2000. In the year 2000 the Cerafibre was found wet and adhering to the metal liner. The liner most likely experienced a slow chronic corrosion rate prior to 2000. After the year 2000 when the MB was opened up, the bulk of the liner corrosion probably occurred in the early years after the year 2000 when MB was replaced. It has conservatively been considered that the corrosion rate had a linear progression over the past ten years since 2000. The new coating applied in A1R15 was Keeler and Long 9600 Series used for Service Level I coating in containment which it does not require white metal surface conditions.

**Evaluation of each area, and the result of the evaluation
[10CFR 50.55a(b)(2)(ix)(A)(2)]:**

One engineering evaluation (Engineering Change 381781) was performed to address all the indications. The evaluation determined that the liner plate with the highest degraded condition (10/64") will remain operational and meet its intended design function during the upcoming run cycle until A1R16 where additional examinations are scheduled.

**Description of Necessary Corrective Actions Completed
[10CFR 50.55a(b)(2)(ix)(A)(3)]:****Corrective Actions Completed During A1R15**

As previously discussed, approximately an additional 50' of liner plate directly below the MB was examined beyond the original scope using the VT-1 (Detailed Visual) method after the MB was removed. Ultrasonic thickness readings were performed near two areas with the 10/64" metal loss, to document actual liner plate thicknesses in the vicinity of these pitted areas. This evaluation was completed to provide justification for the acceptability of the liner plate at its thinnest location and provided assurances that additional margin exists for operation until A1R16 without repair or replacement activities. The liner surfaces at all the exposed locations where the moisture barrier had been removed were prepared for Keeler and Long 9600 series coating used for Level I coating in containment that was applied during A1R15 along with a new Cerafibre and newly installed MB. A new MB was installed at all areas where the MB was removed. VT-3 exam was performed after all repairs were made on the entire MB and no cracks were

found to allow water intrusion. Portions of Class CC liner below the MB have been categorized as Category E-C in ISI schedule.

Proposed Actions for A1R16

VT-1 (Detailed Visual) and UT examinations are scheduled in A1R16 refueling outage to inspect the condition of the liner plate at the two locations with the most metal loss (10/64"). Examinations are scheduled for all areas of liner below the MB not inspected during A1R14 or A1R15.

Conclusions/Findings

Based on the conclusions of the evaluation (Engineering Change Number 381781) performed to address the degradation identified during A1R15, the liner plate containing the degraded conditions below the Moisture barrier (MB) in Unit 1 containment as identified during A1R15 is acceptable and capable of performing its intended design function until A1R16.

6.0 NIS-2 FORM (OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS)

SUMMARY OF NIS-2 FORMS

The following table provides the Class 1 and 2 ASME Section XI repairs completed since the last outage report (A1R14). Activities where the replacement item installed was a rotated spare are not included in this summary as allowed by IWA-4132(g) and Code Case N-508-3.

System		ASME Code Classification*	
		Code Class 1	Code Class 2
CV	Chemical & Volume Control	-	2
MS	Main Steam	-	3
RC	Reactor Coolant	7	-
RH	Residual Heat Removal	1	-
SI	Safety Injection	4	1
SX	Essential Service Water	-	1

*When more than one Code Class exists (i.e., valve located at Class break between Class 1 and 2), higher Class is used.

Total NIS-2 Forms	19
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Associated NIS-2 Forms and associated Code Data Report are attached (35 total pages).

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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 11/18/2010
 Sheet 1 of 1

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

Unit: 1

Work Order #01218005-01
 Repair/Replacement Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Winter 1975 Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Existing Valve Cover and Body-to-Cover Seal Weld Valve 1CV8368B	Borg Warner	Not Recorded	Not Applicable	Valve 1CV8368B	Not Recorded	Removed	Yes (Valve)
Body-to-Cover Seal Weld Electrode 3/32" ER316/316L	Arcos Industries, LLC	Lot/Alloy CT8660 Heat 734816	Not Applicable	Cat ID 8500-1 UTC 2808606	2007	Installed	No

7. Description of Work: Removed existing seal weld to provide access to valve internals for check valve inspection. After inspection was completed, the existing valve cover was reinstalled and a new seal weld was reapplied. Seal weld was examined by liquid penetrant in the finished condition.

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

9. Remarks: Seal welds are exempt from Section XI pressure test requirements per IWA-4540(b)(8), however the valve was examined during the ascending Mode 3 walk down on 11/4/2010 after four hour hold time and was found acceptable. Applicable documentation for replacement seal weld filler material was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and that this conforms to the requirements 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 11/18, 2010
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/10/2010 to 11/18/2010, 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.

Jacob C. Schell
 Inspector's Signature

Commissions NB 7920 ANBI, IL-02209-IC
 National Board, State, Province, and Endorsements

Date 11-19, 2010

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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

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

Date 1/31/2011
 Sheet 1 of 2

Unit: 1

Work Order #01227470-01
 Repair Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
 Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
- (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Globe Valve 1CV8345 and associated piping and U-bolt	Not Recorded	Not Recorded	Not Applicable	1CV8345 Support 1CV0110G	Not Recorded	Removed	Yes
2" Globe Valve	Flowserve Corporation	96BNC	Not Applicable	Cat ID 1969-1 UTC 2827245	2009	Installed	Yes
2" Seamless Pipe	Sandvik Materials Technology	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2847874	2005	Installed	No
U-Bolt for 2" Pipe	Bergen Power	None	Not Applicable	Cat ID 24580-1 UTC 2741727	2006	Installed	No
5/8"-11 Heavy Hex Nuts	Nova Machine Products	Heat 87064 Lot 50134197	Not Applicable	Cat ID 47197-1 UTC 2805986	1999	Installed	No

7. Description of Work: Replaced existing globe valve which leaked by seats. Existing u-bolt for Support 1CV0110G was damaged during disassembly and was replaced. Socket welds were examined by liquid penetrant method.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure 2534 psig Test Temp. 100 °F

9. Remarks: Section XI pressure testing was performed during RPV loop fill and was acceptable on 114/2010. Applicable material documentation for all components (Form NPV-1), materials, and associated weld filler materials 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 conforms to the requirements of the ASME Code, Section XI.
 Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/31, 2011
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/2/2010 to 1/31/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions IL1085
 National Board, State, Province, and Endorsements

Date 1-31, 2011

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

1. Owner : Exelon Generation Co., LLC Date 1/31/2011
Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 2 of 2
3. Plant Name: Braidwood Station Unit: 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
Work Order #01227470-01
Repair Organization P.O., Job No., etc
3. Work Performed By: Shaw / Stone & Webster Type Code Symbol Stamp: None
Address: 35100 South Route 53, Suite 84, Braceville, IL 60407 Authorization No.: None
Expiration Date: None
4. Identification of System: (Chemical and Volume Control) (Class 2)
- 5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
(c) Section XI Code Cases used: None
6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot DT8780 Heat 735456	Not Applicable	Cat ID 8513-1 UTC 2802006	2007	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT8816 Heat 735857	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No

Brendan J. Casey
1/31/2011

J. Helan
1/31/11

1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
(name and address of N Certificate Holder)

2. Manufactured for Exelon Business Services, An Exelon Company P.O. Box 805388 Chicago, IL 60680-5388
(name and address of Purchaser)

3. Location of installation Braidwood Station East of IL 53 1-1/2 miles South of RT 113 Braidwood, IL 60408
(name and address)

4. Model No., Series No., or Type 1500 Y-GLOBE Drawing W-D-9909-(1)/72577034 Rev. L CRN N/A

5. ASME Code, Section III, Division 1: 1971 WINTER 1972 1 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve Valve Nominal inlet size 2 Outlet size 2
(in.) (in.)

7. Material:
(a) valve Body SA182-F316 Bonnet SA479-316 Disk SA479-316 Bolting N/A
(b) pump Casing Cover Bolting

[illegible]

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in Items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

144456

FORM NPV-1 (Back — Pg. 2 of ²)Certificate Holder's Serial No. 93BNC THRU 96BNC

8. Design conditions 2580 (pressure) psi 650 (temperature) °F or valve pressure class 1500
9. Cold working pressure 3600 psi at 100°F
10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi
11. Remarks: S.O. 50713
YOKE: MAT'L: SA105, HEAT: 20681-2 S/N 7 THRU 10

CERTIFICATION OF DESIGN

Design Specification certified by L. IKE EZEKIOYE P.E. State PA Reg. no. 18379-E
 Design Report certified by RON S. FARRELL P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 2/26/09 Name Flowserve Corporation Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF 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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 2/26/09, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.

Date 2/26/09 Signed [Signature] Commissions NC 1549
 (Authorized Nuclear Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)

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

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

Date 10/28/2010
 Sheet 1 of 1

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

Unit: 1

Work Order #01362511-01
 Repair/Replacement Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam Safety (Position 1MS016D)	Consolidated/Dresser	Not Recorded	Not Applicable	Valve 1MS016D	Not Recorded	Removed	Yes
Main Steam Safety Valve	Consolidated/Dresser	BR09605	Not Applicable	Cat ID 1445340-1 UTC 2867307	1977	Installed	Yes

7. Description of Work: Replaced existing safety valve which was stuck open during A1F36 outage. Replacement valve was initially a Byron Station spare and was refurbished at NWS Technologies under Purchase Order 454207. *By 1/31/2011*

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure 1087 psig Test Temp. 559 °F

9. Remarks: Applicable documentation (Form NVR-1 for refurbished valve) was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 10/28, 20 10
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 8/16/2010 to 1028/2010, 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. Huer Commissions IL1085
 Inspector's Signature National Board, State, Province, and Endorsements

Date 11-1, 2010

159664

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

1. Work performed by: NWS Technologies, LLC Purchase Order # 454204
131 Venture Boulevard, Spartanburg, SC 29306

2. Work performed for: Exelon - Byron Nuclear Station

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

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

<u>3707R</u>	<u>BR00606</u>	<u>n/a</u>	<u>steam</u>	<u>6"</u>	<u>77</u>
<small>(type)</small>	<small>(mfr's S/N)</small>	<small>(NB#)</small>	<small>(service)</small>	<small>(size)</small>	<small>(yr. built)</small>

d: Construction Code: ASME Section III 1974 n/a n/a 2
(name/section/division) (edition) (addenda) (Code Cases(s)) (Code Class)

6. ASME Code Section XI applicable for inservice inspection: 2001 2003 n/a
(edition) (addenda) (Code Case(s))

7. ASME Code Section XI used for repairs, replacements: 2001 2003 n/a
(edition) (addenda) (Code Case(s))

8. Construction Code used for repairs, replacements: 1974 n/a n/a
(edition) (addenda) (Code Case(s))

9. Design responsibilities: n/a

10. Opening pressure: 1190 psig
 Set-pressure adjustment made at: NWS Technologies, LLC using steam

11. Description of work (include name and identifying number of replacement parts): Disassembled, lapped disc and nozzle, inspected, cleaned, lubricated, reassembled, set-pressure & tightness certified.

12. Remarks: No parts replaced. NWS Traveler # 10-151. Valve shipping to Braidwood Station.

CERTIFICATE OF COMPLIANCE			
I, <u>Jason C. Gibson</u> certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.			
National Board Certificate of Authorization No. <u>632</u>	to use the "VR" stamp expires <u>April 3, 2012.</u>		
National Board Certificate of Authorization No. <u>81</u>	to use the "NR" stamp expires <u>April 9, 2012.</u>		
<u>8/17/2010</u> Date	<u>NWS Technologies, LLC</u> Repair Organization	<u>[Signature]</u> Authorized representative	<u>Manager, QA</u> Title

CERTIFICATE OF INSPECTION	
I, <u>Charles F. Toegel Jr.</u> holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of <u>North Carolina</u> and employed by <u>Hartford Steam Boiler of CT</u> have inspected the repair, modification or replacement described in this report on <u>17 Aug 2010</u> and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.	
By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.	
<u>8/17/10</u> Date	<u>[Signature]</u> Inspector's Signature
<u>NB # 8462, A, N, I NC# 1073</u> Commissions (NB (incl endorsements), jurisdiction, & no.)	

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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 11/18/2010
 Sheet 1 of 1

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

Unit: 1

Work Order #01336747-01

Repair/Replacement Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1MS017C Main Steam Safety Valve Inlet flange bolt	Not Recorded	Not Recorded	Not Applicable	Valve 1MS017C	Not Recorded	Removed	No
Threaded Rod (1 3/8"-8)	Nova Machine Products / Linus Products, Inc.	Heat 57748 Lot 50183185 Trace Code 3L37	Not Applicable	Cat ID 37106-1 UTC 2844900	2009	Installed	No

7. Description of Work: Replaced existing inlet flange bolt which was stuck/damaged during disassembly.

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

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 11/18, 2010
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 8/17/2010 to 11/18/2010, 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.

Jacob C. Schall
 Inspector's Signature

Commissions NB 7920 ANBI-IL-02209-IC
 National Board, State, Province, and Endorsements

Date 11-19, 2010

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

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

Date 1/31/2011
 Sheet 1 of 1

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

Unit: 1

Work Order #01371174-01
 Repair/Replacement Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam 6" Relief Valve (Position 1MS016D)	Dresser	BR09605	Not Applicable	Cat ID 1388647-1 UTC 2839826	1977	Removed	Yes
6" Main Steam Safety Relief Valve	Dresser	BR09645	Not Applicable	Cat ID 1445882-1 UTC 2869793	1977	Installed	Yes

7. Description of Work: Existing relief valve was removed and sent to NWS Technologies for disassembly and inspection, replaced with a tested spare relief valve.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure 1072.2 psig Test Temp. 559.1 °F

9. Remarks: Valve and connection were examined by VT-2 on 11/4/2010 and found acceptable. Applicable documentation (Form NVR-1 for refurbished valve) was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendon J. Casey ISI Coordinator Date 1/31, 20 11
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/28/2010 to 1/31/2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions IL1085

National Board, State, Province, and Endorsements

Date 1-31, 20 11

161985

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

1. Work performed by: **NWS Technologies, LLC** Purchase Order # 465341
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Exelon Corporation, Braidwood Station
- 3/4. Owner - name, address and identification of nuclear power plant: Exelon Corp. - Braidwood Station
East of IL RT 53, 1-1/2 Miles South of RT 113 Braidwood IL 60408
5. a: Repaired pressure relief device: Main Steam Safety Valve
 b: Name of manufacturer: Consolidated / Dresser
 c: Identifying nos.
- | | | | | | |
|---|----------------------------|--------------------------|--------------------------------|-----------------------------|----------------------------|
| <u>3707R</u> | <u>BR09645</u> ✓ | <u>n/a</u> | <u>steam</u> | <u>6"</u> | <u>1977</u> |
| <small>(type)</small> | <small>(mfr's S/N)</small> | <small>(NB#)</small> | <small>(service)</small> | <small>(size)</small> | <small>(yr. built)</small> |
| d: Construction Code: <u>ASME / III / 1</u> | <u>1974</u> | <u>n/a</u> | <u>n/a</u> | <u>2</u> | |
| <small>(name/section/division)</small> | <small>(edition)</small> | <small>(addenda)</small> | <small>(Code Cases(s))</small> | <small>(Code Class)</small> | |
6. ASME Code Section XI applicable for inservice inspection: 2001 2003 n/a
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 2001 2003 n/a
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1974 n/a n/a
(edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1190 psig ✓
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, inspected, lapped and preoxidized the disc seat, lapped and passivated the nozzle seat, replaced guide, holder, spring assy, lower ring pin. Cleaned and lubricated as required. Certified set-pressure and seat tightness using steam.
12. Remarks: NWS Traveler # 10-192. Repalced holder, guide, spring assy, lower ring pin.

CERTIFICATE OF COMPLIANCE

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

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2012

National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2012

10/11/2010
Date

NWS Technologies, LLC
Repair Organization

J. C. Gibson
Authorized representative

Manager, QA
Title

CERTIFICATE OF INSPECTION

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 11 Oct. 2010 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

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

10/11/10
Date

Charles F. Toegel Jr.
Inspector's Signature

NB # 8462, A, N, I NC# 1073
Commissions (NB (incl endorsements), jurisdiction, & no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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

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

Date 1/27/2011
 Sheet 1 of 1

Unit: 1

Work Order #00528957-01
 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

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

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

- 5 (a) Applicable Construction Code: Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 Valves: ASME Section III 1974 Edition, Summer 1976 Addenda
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 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	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Unit 1 Reactor Head Vent Valves (1RC014A, 1RC014B, 1RC014C and 1RC014D) and associated piping	Unknown	Unknown	Not Applicable	1RC014A through 1RC014D Line 1RC031DA-1"	Not Recorded	Removed	No
Solenoid Valve Assemblies	Valcor Engineering Corporation	Valve Serial Numbers 58, 59, 60, and 61	Not Applicable	Cat ID 1397111-1 UTC 2701665 and 2701666	Not Recorded	Installed	No
3/32" ER308/308L	Arcos Industries, LLC	Heat 735857 Lot CT8816 Control 8816	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No

7. Description of Work: Replaced existing reactor head vent manifold valves (which leaked by seats) with solenoid valve assemblies which were reworked by Valcor. Field welds were examined by liquid penetrant method.

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

9. Remarks: Section XI pressure testing is not required per IWA-4540(b)(6), but were examined by VT-2 during the system leakage test on 11/4/2010. Applicable documentation for replacement solenoid valves and weld filler material was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

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

Signed Brendan J. Casey ISI Coordinator Date 1/27, 2011
 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 4/22/2010 to 1/27/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 1-28, 2011

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

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

Date 1/27/2011
 Sheet 1 of 1

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

Unit: 1

Work Order #00528957-02
 Repair Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 Valves: ASME Section III 1974 Edition, Summer 1976 Addenda
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 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	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Unit 1 Reactor Head Vent Line Support 1RC99004G	Unknown	Unknown	Not Applicable	1RC99004G Line 1RC031DA-1"	Not Recorded	Removed	No
3/32" E7018 Weld Electrode	ESAB	Heat M902234 Lot 2H012D04 Control NNN024	Not Applicable	Cat ID 8491-1 UTC 2870136	2010	Installed	No
3/4" X 5/8" X 4" Flat Bar Stock	Gerdau Ameristeel	Heat JG5757	Not Applicable	Cat ID 30483-1 UTC 2822259	2008	Installed	No
2 1/2" X 2 1/2" X 1/4" Square Tubing Bar Stock	Independence Tube Corporation	Heat C50373	Not Applicable	Cat ID 1446497-2 UTC 2870694	2009	Installed	No

7. Description of Work: Removed existing support to assist with replacement of reactor head vent manifold valves.

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

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

CERTIFICATE OF COMPLIANCE

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

Signed Brendan J. Casey ISI Coordinator Date 1/27 20 11
 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 4/22/2010 to 1/27/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions IL1085

National Board, State, Province, and Endorsements

Date 1-28 20 11

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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

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

Date 1/27/2011
 Sheet 1 of 1

Unit: 1

Work Order #00528957-03
 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

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

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

- 5 (a) Applicable Construction Code: Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 Valves: ASME Section III 1974 Edition, Summer 1976 Addenda
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 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	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Unit 1 Reactor Head Vent Line Support 1RC99008G	Unknown	Unknown	Not Applicable	1RC99008G Line 1RC031DA-1"	Not Recorded	Removed	No
3/32" E7018 Weld Electrode	ESAB	Heat M902234 Lot 2H012D04 Control NNN024	Not Applicable	Cat ID 8491-1 UTC 2870136	2010	Installed	No
3/4" X 5/8" X 4" Flat Bar Stock	Gerdau Ameristeel	Heat JG5757	Not Applicable	Cat ID 30483-1 UTC 2822259	2008	Installed	No
2 1/2" X 2 1/2" X 1/4" Square Tubing Bar Stock	Independence Tube Corporation	Heat C50373	Not Applicable	Cat ID 1446497-2 UTC 2870694	2009	Installed	No

7. Description of Work: Removed existing support to assist with replacement of reactor head vent manifold valves.

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

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

CERTIFICATE OF COMPLIANCE

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

Signed Brendan J. Casey ISI Coordinator Date 1/27, 2011
 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 4/22/2010 to 1/27/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions IL1085

National Board, State, Province, and Endorsements

Date 1-28, 2011

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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

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

Date 1/27/2011
 Sheet 1 of 1

Unit: 1

Work Order #00528957-04
 Repair Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 Valves: ASME Section III 1974 Edition, Summer 1976 Addenda
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 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	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Unit 1 Reactor Head Vent Line Support 1RC99007G	Unknown	Unknown	Not Applicable	1RC99007G Line 1RC031DA-1"	Not Recorded	Removed	No
3/32" E7018 Weld Electrode	ESAB	Heat M902234 Lot 2H012D04 Control NNN024	Not Applicable	Cat ID 8491-1 UTC 2870136	2010	Installed	No

7. Description of Work: Removed and reapplied hex nut tack welds on support in order to assist with replacement of reactor head vent manifold valves.

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

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

CERTIFICATE OF COMPLIANCE

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

Signed Brendan J. Casey ISI Coordinator Date 1/27, 20 11
 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 4/22/2010 to 1/27/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 1-28, 20 11

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

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

Date 12/13/2010
 Sheet 1 of 1

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

Unit: 1

Work Order #01293926-01
 Repair Organization P.O., Job No., etc

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

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

4. Identification of System: Reactor Coolant/Steam Generator

- 5 (a) Applicable Construction Code: ASME Section III 1986 Edition, No Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 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	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Cap Screws for Adaptor 1RC01BD-B (1B Steam Generator Snubber)	Boeing	Unknown	Not Applicable	1RC01BD-B	Not Recorded	Removed	No
1/4"-20 Hex Head Cap Screws	NOVA Machine Products, Inc.	Heat 8092338 Lot 50177876	Not Applicable	Cat ID 1396239-1 UTC 2840134	2009	Installed	No

7. Description of Work: Replaced mounting cap screws on steam generator snubber. Reason for replacement was not documented in work order.

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

9. Remarks: Post installation VT-3 examination was completed and acceptable on 10/10/2010. Applicable material documentation for cap screws 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 conforms to the rules of the ASME Code, Section XI.

Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/13, 2010
 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 3/22/2010 to 12/13/2010, 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.

Jacob C. Schell
 Inspector's Signature

Commissions 1L-02209-IC NB7920ANBE
IL1085
 National Board, State, Province, and Endorsements

Date 12-14, 2010

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

1. Owner : Exelon Generation Co., LLC
 Address: 300 Exelon Way, Kennett Square, PA 19348
 Date 1/30/2011
 Sheet 1 of 1
2. Plant Name: Braidwood Station
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
 Unit: 1
 Work Order #01375122-01
 Repair/Replacement Organization P.O., Job No., etc
3. Work Performed By: Shaw / Stone & Webster
 Address: 36400 South Essex Road, Wilmington, IL 60481
 Type Code Symbol Stamp: None
 Authorization No.: None
 Expiration Date: None
4. Identification of System: Reactor Coolant (Steam Generator) (SG) (Class 1)
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None
6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1RC01BA Lateral Support (Shim Pack)	Not Recorded	None	Not Applicable	1RC01BA Lateral Support	Unknown	Corrected	No
½"-13 SA-193 Grade B7 Threaded Rod	NOVA Machine Products	Heat 10061010 Lot 50222374	Not Applicable	Cat ID 24979-1 UTC 2870288	2010	Installed	No
½" Thick SA-36 Plate	SSAB	Heat EO1222	Not Applicable	Cat ID 1446244-1 UTC 2870351	2010	Installed	No
½"-13 SA-194 Grade 6 Heavy Hex Nuts	NOVA Machine Products	Heat 516788 Lot 36249059	Not Applicable	SI #796D31 RIN A99-01139	1999	Installed	No
½"-13 A/SA 194 Grade 2H Heavy Hex Nuts	NOVA Machine Products	Heat 361170 Lot 50183194	Not Applicable	Cat ID 37027-1 UTC 2844897	2009	Installed	No

Description of Work: During examination of the shim pack bolting on 1RC01BA steam generator to address extent of condition from inspection findings at Byron Station, sheared and potentially damaged bolting was discovered (reference IR 1121593 and 1121928). Shim packs were repaired using guidance provided through EC 381691. Shim material (exempt from repair/replacement per IWA-4120(b)(6)) was also replaced during this repair.

7. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒
 Other ☒ Pressure Not Required psig Test Temp. Not Required °F
8. Remarks: A VT-3 examination was performed after bolting was tightened (10/20/2010) and again during ascending Mode 3 walk down (11/4/2010) after attaining nominal operating temperature.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/31, 2011
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/10/2010 to 1/30/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

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

Date 1-31-, 2011

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

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

Date 1/28/2011
 Sheet 1 of 1

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

Unit: 1

Work Order #01375464-01

Repair/Replacement Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1RC01BC Lateral Support (Shim Pack)	Not Recorded	None	Not Applicable	1RC01BC Lateral Support	Unknown	Corrected	No

Description of Work: During examination of the shim packs on 1RC01BC steam generator, the upper right nut on the (South-West) shim pack was loose (reference IR 1121934). The 3 remaining bolts and nuts were tight and intact. Tightened existing steam generator lateral support shim pack bolting that was discovered loose during visual inspection.

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

8. Remarks: A VT-3 examination was performed after bolting was tightened (10/15/2010) and again during ascending Mode 3 walk down (11/4/2010) after attaining nominal operating temperature.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/28, 2011
 Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/10/2010 to 1/28/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
 Inspector's Signature

Commissions IL # 1095
 National Board, State, Province, and Endorsements

Date 1/31, 2011

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

1. Owner : Exelon Generation Co., LLC
Address: 300 Exelon Way, Kennett Square, PA 19348
Date 1/25/2011
Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
Work Order #01224658-01
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: Residual Heat Removal (RH) Class 1 system
- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases: 1644 Revision 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180 and N-108
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 Edition with 2003 Addenda
(c) Section XI Code Cases used: None

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-3 Mechanical Snubber 1RH02047S	ITT Grinnell	S/N 9657	Not Applicable	1RH02047S	1981	Replaced	No
PSA-3 Mechanical Snubber	Basic-PSA Inc.	S/N 41624	Not Applicable	Cat ID 27676-1 UTC 2052207	1999	Replacement	No

7. Description of Work: Proactively replaced existing snubber after A1R15 functional testing. Existing snubber passed functional test in A1R14 (reference IR 902853) and again in A1R15, but performance was degrading. The 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 on 10/11/2010. Applicable Manufacturer's Data Report was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

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

Signed Brendan J. Casey ISI Coordinator Date 1/25, 20 11
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 4/20/2010 to 1/25/2011, 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. L. L.
Inspector's Signature

Commissions IL1085
National Board, State, Province, and Endorsements

Date 1-25, 20 11

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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

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

Date 1/27/2011
 Sheet 1 of 2

Unit: 1

Work Order #00609949-01
 Repair Organization P.O., Job No., etc

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

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

4. Identification of System: SI (Safety Injection) (Class 1 and 2)

- 5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
 Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
- (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve 1SI8819C and associated piping	Not Recorded	Not Recorded	Not Applicable	1SI8819C Lines 1SI18EC-2" and 1SI18FC-2"	Not Recorded	Removed	Yes
2" Y-Piston Check Valve	Flowserve Corporation	72BQV	Not Applicable	Cat ID 24010-1 UTC 2869753	2010	Installed	Yes
2" Socket Weld Flange	WFI International	Heat 3737ANE1	Not Applicable	Cat ID 30443-1 UTC 2869983	2010	Installed	No
2" Seamless Pipe	Sandvik Materials Technology	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2829918	2005	Installed	No
3/32" ER316L (for valve cover seal weld)	Arcos Industries, LLC	Lot CM8256	Not Applicable	Cat ID 8500-1 UTC 2715657	2004	Installed	No

7. Description of Work: Replaced existing check valve and associated piping as part of a corrective action (reference ATI 164897-09). Socket welds were examined by liquid penetrant method.

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

Other ☒ Pressure Class 2: 870 / Class 1: 2239.8 psig Test Temp. Class 2: 95.6 / Class 1: 549.32 °F

9. Remarks: Section XI pressure testing for Class 2 was performed and acceptable on 10/17/2010 in conjunction with 1BwVSR TRM 2.5.c.3, Class 1 system leakage test was performed and acceptable on 11/4/2010. Applicable material documentation for all components (Form NPV-1), materials, and associated weld filler materials 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 conforms to the requirements of the ASME Code, Section XI.
 Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/27, 2011
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/16/2010 to 1/27/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 1/28, 2011

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

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

Date 1/27/2011
Sheet 2 of 2

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

Unit: 1

Work Order #00609949-01
Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
Address: 35100 South Route 53, Suite 84, Braceville, IL 60407

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

4. Identification of System: SI (Safety Injection) (Class 1 and 2)

5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases

(b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda

(c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot DT8780 Heat 735456	Not Applicable	Cat ID 8513-1 UTC 2802006	2007	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT8816 Heat 735857 Control 8816	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8497-1 UTC 2830005	2008	Installed	No
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot D-9077 Heat 249076 Control 9077	Not Applicable	Cat ID 8513-1 UTC 2844829	2009	Installed	No

Brendan J. Casey
1/27/2011

[Signature]
1/28/11

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
(name and address of N Certificate Holder)

2. Manufactured for Exelon Business Services, An Exelon Company P.O. Box 805388 Chicago, IL 60680-5388
(name and address of Purchaser)

3. Location of installation Braidwood Station East of IL 53 1-1/2 miles South of RT 113 Braidwood, IL 60408
(name and address)

4. Model No., Series No., or Type 1500# CHECK VALVE Drawing 09-56242-01 Rev. 0 CRN N/A

5. ASME Code, Section III, Division 1: 1971 ✓ WINTER 1972 1 N/A
(edition) (addenda date) (class) (Code Case no.)

6. Pump or valve Valve ✓ Nominal inlet size 2 ✓ Outlet size 2
(in.) (in.)

7. Material:
(a) valve Body SA182-F316 Bonnet SA182-F316 Disk SA479-316 Bolting N/A
(b) pump Casing _____ Cover _____ Bolting _____

[illegible]

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 1/2 x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

2

160671

FORM NPV-1 (Back — Pg. 2 of ²)Certificate Holder's Serial No. 72BQV

8. Design conditions 2580 psi 650 °F or valve pressure class 1500
(pressure) (temperature)
9. Cold working pressure 3600 psi at 100°F
10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi
11. Remarks: S.O. 56242-01

CERTIFICATION OF DESIGN

Design Specification certified by L. Ike Ezekoye P.E. State PA Reg. no. 18379-E
 Design Report certified by Robert A. Sizemore P.E. State NC Reg. no. 029425

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-12

Date 9/2/10 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF 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 NC and employed by HSB CT
9/3/10 of Hartford, CT have inspected the pump, or valve, described in this Data Report on
9/3/10, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.

Date 9/3/10 Signed [Signature] Commissions NC1549
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

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

Date 1/26/2011
 Sheet 1 of 2

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

Unit: 1

Work Order #01281799-01
 Repair Organization P.O., Job No., etc

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

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

4. Identification of System: SI (Safety Injection) (Class 1 and 2)

- 5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
 Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve 1SI8819B and associated piping	Not Recorded	Not Recorded	Not Applicable	1SI8819B Lines 1SI18EB-2" and 1SI18FB-2"	Not Recorded	Removed	Yes
2" Y-Piston Check Valve	Flowserve Corporation	44BPM	Not Applicable	Cat ID 24010-1 UTC 2859487	2009	Installed	Yes
2" Socket Weld Flange	Western Forge & Flange Co.	Heat 249217 Lot 10791 Code GMA	Not Applicable	Cat ID 30443-1 UTC 2869560	2010	Installed	No
2" Seamless Pipe	Sandvik Materials Technology	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2829998	2005	Installed	No
3/32" ER316L (for valve cover seal weld)	Arcos Industries, LLC	Lot CM8256	Not Applicable	Cat ID 8500-1 UTC 2715657	2004	Installed	No

7. Description of Work: Replaced existing check valve and associated piping as part of a troubleshooting effort. Socket welds were examined by liquid penetrant method.

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

Other ☒ Pressure Class 2: 870 / Class 1: 2239.8 psig Test Temp. Class 2: 95.6 / Class 1: 549.32 °F

9. Remarks: Section XI pressure testing for Class 2 was performed and acceptable on 10/17/2010 in conjunction with 1BwVSR TRM 2.5.c.3, Class 1 system leakage test was performed and acceptable on 11/4/2010. Applicable material documentation for all components (Form NPV-1), materials, and associated weld filler materials 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 conforms to the requirements of the ASME Code, Section XI.
 Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/26, 20 11
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/18/2010 to 1/26/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions IL1085

National Board, State, Province, and Endorsements

Date 1-26-, 20 11

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

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

Date 1/26/2011
 Sheet 2 of 2

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

Unit: 1

Work Order #01281799-01
 Repair Organization P.O., Job No., etc

3. Work Performed By: Shaw / Stone & Webster
 Address: 35100 South Route 53, Suite 84, Braceville, IL 60407

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

4. Identification of System: SI (Safety Injection) (Class 1 and 2)

5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
 Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases

(b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot DT8780 Heat 735456	Not Applicable	Cat ID 8513-1 UTC 2802006	2007	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT8816 Heat 735857	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8497-1 UTC 2830005	2008	Installed	No
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8513-1 UTC 2828327	2009	Installed	No

B. J. Casey 1/26/2011

J. L. L. 1/26/11

155949

FORM NPV-1 (Back — Pg. 2 of ²)Certificate Holder's Serial No. 44BPM

8. Design conditions 2580 (pressure) psi 650 (temperature) °F or valve pressure class 1500
9. Cold working pressure 3600 psi at 100°F
10. Hydrostatic test 5400 ☒ psi. Disk differential test pressure 3960 psi
11. Remarks: S.O. 54152

CERTIFICATION OF DESIGN

Design Specification certified by L. Ike Ezkoye P.E. State PA Reg. no. 16379-E
 Design Report certified by Ron S. Farrell P.E. State NC Reg. no. 028656

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-09

Date 9/28/09 Name Flowserve Corporation Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF 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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on Sept 28 2009, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.

Date 9/28/09 Signed [Signature] Commissions NC 16780
 (Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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

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

Date 1/25/2011
 Sheet 1 of 2

Unit: 1

Work Order #01224737-01
 Repair Organization P.O., Job No., etc

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

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

4. Identification of System: SI (Safety Injection) (Class 1 and 2)

- 5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
 Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
- (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve 1SI8819D and associated piping	Not Recorded	Not Recorded	Not Applicable	1SI8819D	Not Recorded	Removed	Yes
2" Y-Piston Check Valve	Flowserve Corporation	48BQD	Not Applicable	Cat ID 24010-1 UTC 2865568	2010	Installed	Yes
2" Socket Weld Flange	Western Forge & Flange Co.	Heat 249217 Lot 10791 Code GMA	Not Applicable	Cat ID 30443-1 UTC 2869560	2010	Installed	No
2" Seamless Pipe	Sandvik Materials Technology	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2829998	2005	Installed	No
3/32" ER316L (for valve cover seal weld)	Arcos Industries, LLC	Lot CM8256	Not Applicable	Cat ID 8500-1 UTC 2715657	2004	Installed	No

7. Description of Work: Replaced existing check valve and associated piping as part of a troubleshooting effort. Socket welds were examined by liquid penetrant method.

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

Other ☒ Pressure Class 2: 870 / Class 1: 2239.8 psig Test Temp. Class 2: 95.6 / Class 1: 549.32 °F

9. Remarks: Section XI pressure testing for Class 2 was performed and acceptable on 10/17/2010 in conjunction with 1BwVSR TRM 2.5.c.3, Class 1 system leakage test was performed and acceptable on 11/4/2010. Applicable material documentation for all components (Form NPV-1), materials, and associated weld filler materials 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 conforms to the requirements of the ASME Code, Section XI.
 Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brandon J. Casey ISI Coordinator Date 1/27, 20 11
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/16/2010 to 1/25/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions IL1085

National Board, State, Province, and Endorsements

Date 1/28, 20 11

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

1. Owner : Exelon Generation Co., LLC
Address: 300 Exelon Way, Kennett Square, PA 19348
Date 1/25/2011
Sheet 2 of 2
3. Plant Name: Braidwood Station
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
Unit: 1
Work Order #01224737-01
Repair Organization P.O., Job No., etc
3. Work Performed By: Shaw / Stone & Webster
Address: 35100 South Route 53, Suite 84, Braceville, IL 60407
Type Code Symbol Stamp: None
Authorization No.: None
Expiration Date: None
4. Identification of System: SI (Safety Injection) (Class 1 and 2)
- 5 (a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
- (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
(c) Section XI Code Cases used: None
6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot DT8780 Heat 735456	Not Applicable	Cat ID 8513-1 UTC 2802006	2007	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT8816 Heat 735857	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8497-1 UTC 2830005	2008	Installed	No
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8513-1 UTC 2828327	2009	Installed	No

Brundan J. Casey
1/27/2011

L. Hulin
1/28/11

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

Pg. 1 of 2

1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603
(name and address of N Certificate Holder)
2. Manufactured for Exelon Business Services, An Exelon Company P.O. Box 805388 Chicago, IL 60680-5388
(name and address of Purchaser)
3. Location of installation Braidwood Station East of IL 53 1-1/2 miles South of RT 113 Braidwood, IL 60408
(name and address)
4. Model No., Series No., or Type 1500# CHECK VALVE Drawing 09-56242-01 Rev. 0 CRN N/A
5. ASME Code, Section III, Division 1: 1971 WINTER 1972 1 N/A
(edition) (addenda date) (class) (Code Case no.)
6. Pump or valve Valve Nominal inlet size 2 Outlet size 2
(in.) (in.)
7. Material:
(a) valve Body SA182-F316 Bonnet SA182-F316 Disk SA479-316 Bolting N/A
(b) pump Casing _____ Cover _____ Bolting _____

[illegible]

* Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8½ x 11, (2) information in items 1 through 4 on this Data Report is included on each sheet, (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

158430

FORM NPV-1 (Back — Pg. 2 of ²)Certificate Holder's Serial No. 48BQD ✓

8. Design conditions 2580 (pressure) psi 650 (temperature) °F or valve pressure class 1500 ✓
9. Cold working pressure 3600 ✓ psi at 100°F
10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi
11. Remarks: S.O. 56242

CERTIFICATION OF DESIGN

Design Specification certified by L. Ike Ezekoye P.E. State PA Reg. no. 18379-E

Design Report certified by Robert A. Sizemore P.E. State NC Reg. no. 029425

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-12

Date 6/24/2010 Name Flowserve Corporation Signed [Signature]
(N Certificate Holder) (authorized representative)

CERTIFICATE OF 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 NC and employed by HSB CT

6/24/10 of Hartford, CT have inspected the pump, or valve, described in this Data Report on 6/24/10, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.

Date 6/24/10 Signed [Signature] Commissions NC-1435
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

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

Date 1/27/2011
 Sheet 1 of 1

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

Unit: 1

Work Order #01294485-01
 Repair Organization P.O., Job No., etc

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

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

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

- 5 (a) Applicable Construction Code: Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases
 Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Existing 2" Globe Valve and Associated Piping	Not Recorded	Not Recorded	Not Applicable	1SI8952C (Valve) Line 1SI79GA-2"	Not Recorded	Removed	Yes (Valve)
2" Globe Valve	Flowserve Corporation	93BQW	Not Applicable	Cat ID 30706-1 UTC 2869749	2010	Installed	Yes
2" Schedule 40 Seamless Pipe	Sandvik Materials Technology	Heat 512741 WO/Lot 520215	Not Applicable	Cat ID 26883-1 UTC 2807097	2007	Installed	No
3/32" Diameter ER 308L Weld Rod	Arcos Industries, LLC	Heat 737880 Lot CT9023 Control 9023	Not Applicable	Cat ID 8497-1 UTC 2830005	2008	Installed	No
1/8" Diameter ER 308/308L	Arcos Industries, LLC	Heat 249076 Lot D-9077 Control 9077	Not Applicable	Cat ID 37029-1 UTC 2689561	2009	Installed	No

7. Description of Work: Removed existing valve and piping because Instrument Maintenance suspected pipe was plugged causing instrument indication errors in Safety Injection accumulator.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐
 Other ☒ Pressure 609 psig Test Temp. Ambient °F

9. Remarks: Section XI pressure testing was performed and acceptable on 11/2/2010, instrument for specific temperature is not available. Applicable material documentation for all components (Form NPV-1), materials, and associated weld filler materials 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 conforms to the requirements of the ASME Code, Section XI.
 Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 1/27, 2011
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/21/2010 to 1/27/2011, 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

Page 6-32

Commissions IL1085
 National Board, State, Province, and Endorsements

Date 1-28-2011

161166

FORM NPV-1 (Back — Pg. 2 of ²)Certificate Holder's Serial No. 93BQW

8. Design conditions 2580 (pressure) psi 650 (temperature) °F or valve pressure class 1500
9. Cold working pressure 3600 psi at 100°F
10. Hydrostatic test 5400 psi. Disk differential test pressure 3960 psi
11. Remarks: S.O. 58582
YOKE- Material SA105; Heat/S/N K4564-1

CERTIFICATION OF DESIGN

Design Specification certified by L. Ike Ezekoye P.E. State PA Reg. no. 18379-E
 Design Report certified by N/A P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-2012

Date 9/23/2010 Name Flowserve Corporation Signed [Signature]
 (N Certificate Holder) (authorized representative)

CERTIFICATE OF 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 NC and employed by HSB CT

of Hartford, CT have inspected the pump, or valve, described in this Data Report on 9/23/10, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data 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.

Date 9/23/10 Signed [Signature] Commissions N41549
 (Authorized Nuclear Inspector) (Natl. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner : Exelon Generation Co., LLC
 Address: 300 Exelon Way, Kennett Square, PA 19348
 Date 1/25/2011
 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
 Work Order #01377039-01
 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 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: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
PSA-3 Mechanical Snubber 1SI09015S2	ITT Grinnell	S/N 15517	Not Applicable	1SI09015S2	1981	Replaced	No
PSA-3 Mechanical Snubber	Basic-PSA Inc.	S/N 20643	Not Applicable	Cat ID 27863-1 UTC 2635990	1982	Replacement	No

7. Description of Work: Existing snubber failed A1R15 functional testing (reference Issue Report 1124493). Snubber is one of two installed on a trapeze type support. The failure of the existing snubber was evaluated under EC 381733 and was determined to be a result of grease degradation due to isolated excessive heat on the back end of the snubber. Additional snubber sample expansion was performed. The 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 on 10/12/2010. Applicable snubber documentation was attached at the time of final review and is maintained on file.

CERTIFICATE OF COMPLIANCE

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

Signed Brendan J. Casey ISI Coordinator Date 1/25, 20 11
 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 10/11/2010 to 1/25/2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions IL1085

National Board, State, Province, and Endorsements

Date 1-25, 20 11

FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY
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: 3/29/2010
 Sheet 1 of 1

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

Unit: 1

Work Order #01156907-05
 Repair/Replacement Organization P.O., Job No., etc

3. Work Performed By: Braidwood Mechanical Maintenance
 Address: 35100 South Route 53, Braceville, IL 60407

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

4. Identification of System: SX (Essential Service Water) (Class 2)

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, No Code Cases
 (b) Applicable Edition of Section XI Utilized for Repair/Replacement: 2001 Edition with 2003 Addenda
 (c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Support 1SX09067G	Not Recorded	Not Recorded	Not Applicable	1SX09067G	Not Recorded	Removed/Installed	No
3/32" E7018 Electrode	ESAB	Heat 90115	Not Applicable	Cat ID 8491-1 UTC 2847019	2009	Installed	No

7. Description of Work: Removed existing support which prevented removal of annubar 1FE-SX115 in order to perform preventative maintenance cleaning of annubar. Upon completion of annubar installation, reattached existing support members by welding. Support is exempt from Section XI visual examination requirements, finished welds were examined by NF-5222 visual inspection upon support restoration.

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

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

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 3/29, 2010
 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 Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 11/19/2009 to 3/29/2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date 3-30, 2010