

Exelon Generation Company, LLC Braidwood Station 35100 South Rt 53, Suite 84 Braceville, IL 60407 www.exeloncorp.com

Nuclear

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

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 fourteenth refueling outage (A1R14). 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. David Gullott, Regulatory Assurance Manager, at (815) 417-2800.

Respectfully,

Bryan Hanson Site Vice President Braidwood Station

Enclosure: Braidwood Station ISI Outage Report for A1R14

cc: Regional Administrator - NRC Region III

NRC Senior Resident Inspector - Braidwood Station

Illinois Emergency Management Agency – Division of Nuclear Safety

ADUN PRR

BRAIDWOOD STATION

UNIT 1 INSERVICE INSPECTION SUMMARY REPORT FOR:

Interval 3, Period 1, Outage 1 Interval 2, Period 3, Outage 3 A1R14 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

Exelon.

Braidwood Station Unit 1 A1R14 ISI Outage Report

TABLE OF CONTENTS

DESCRIPTION:	PAGE:
TITLE PAGE	
TABLE OF CONTENTS	ii
1.0 - INSPECTION INFORMATION	1-1 to 1-2
2.0 - INSERVICE EXAMINATION SUMMARY	2-1 to 2-4
3.0 - COMPONENT EXAMINATION RESULTS	3-1 to 3-57
4.0 - CLASS 2 MAIN STEAM WELDED ATTACHMENT LUG INDICATIONS	4-1 to 4-2
5.0 - FORM NIS-1 (OWNER'S REPORT FOR INSERVICE INSPECTION) FOR ISI SECOND AND THIRD INTERVAL AND THIRD INTERVAL INSPECTION STATUS AFTER A1R14	5-1 to 5-6
6.0 - REPORT OF CONTAINMENT DEGRADATION (IWE)	6-1 to 6-3
7.0 - FORM NIS-2, (OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS), Cover page plus 36 pages of Attachments	7-1 to 7-37

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 January 2, 2008 to June 10, 2009, with the majority of these inspections being performed during the Braidwood Station Unit 1 fourteenth refueling outage (A1R14). A limited amount of examinations for the Second Interval were also performed during the A1R14 outage. This report also contains the results of the remaining Second Interval pressure tests that were not completed prior to submittal of the previous A1R13 outage report.

For the Third Interval, 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).

Remaining Second Interval examinations were performed in accordance with the rules and regulations of Section XI, Division 1, "Rules for Inservice Inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1989 Edition, no addenda, pursuant to the requirements of 10CFR50.55a.

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

In addition to the ASME Section XI requirements, certain NRC augmented ISI inspections were completed during A1R14. 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 1C reactor coolant pump motor flywheel in accordance with Regulatory Guide 1.14.
- d) Examination of welds in accordance with Materials Reliability Project MRP-139 and MRP-146.

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

1.2 Identification of Examination Requirements

The Second Interval ISI Program contains the Component Selection tables. These tables are presented in a tabular format consistent with the tables found in subsections IWB, IWC, IWD, IWE, and IWF-2500 of the ASME code. The 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, IWE, and IWF of Section XI of the ASME Code. Program notes and relief requests and additional information are identified in the basis column.

1.3 Exempted Components

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

1.4 ISI Program Implementation

Braidwood Station personnel, or their designee, visually examined (VT-1, VT-2, 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 1989 Edition, or approved alternates (Performance Demonstration Initiative Program) as applicable. In addition, ultrasonic examination personnel were qualified in accordance with ANSI/ASME CP-189, 1995.

Certified personnel performed and evaluated visual examinations (VT-1, VT-2, and VT-3) of Class 1, 2, and 3 components and supports. Personnel were certified to the requirements of the American Society for Non-destructive Testing SNT-TC-1A, 1984 Edition and/or ASME Section XI 2001 Edition through 2003 Addenda or 1989 Edition, as applicable.

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 and R. White. The inspectors are associated with Hartford Steam Boiler Inspection and Insurance Company of Connecticut, Chicago Branch, at 2443 Warrenville Rd., Suite 500, Lisle, Illinois 60532.

Braidwood Station Unit 1 A1R14 ISI Outage Report

2.0 INSERVICE EXAMINATION SUMMARY

The following is a summary of ASME Section XI Class 1 and 2, Risk Informed ISI, and augmented examinations performed during the Braidwood Station Unit 1 A1R14 refueling outage. Refer to the component detailed examination tabulations of Section 3.0 for additional information on specific welds, components, supports, snubbers and pressure test examinations and their respective results.

2.1 Inservice Weld/Component Summary

System	Number of Welds / Components*
Containment Spray (CS)	. 2
Chemical & Volume Control (CV)	3**
Feedwater (FW)	3
Main Steam (MS)	8***
Reactor Coolant (RC)	20
Pressurizer (RY)	5
Safety Injection (SI)	2
TOTALS	43

- * Non-Section XI Augmented examinations and Risk Informed ISI socket weld VT-2 examinations are not included in these counts but are contained in Section 3.1.
- ** These welds are credited to the Second Interval (1989 Edition).
- *** Includes seven sample expansion welds.

2.2 Inservice Component Support Summary

SYSTEM EXAMINED	Number of Component Supports
Containment Spray (CS)	1
Chemical & Volume Control (CV)	27
Feedwater (FW)	17
Main Steam (MS)	4
Reactor Coolant (RC)	.4
Residual Heat Removal (RH)	6
Safety Injection (SI)	1
TOTALS	60

Braidwood Station Unit 1 A1R14 ISI Outage Report

2.3 Inservice Snubber Summary

SYSTEM EXAMINED	Number of Snubbers Examined by VT-3	Number of Snubbers Functionally Tested
Auxiliary Feedwater (AF)	1	0
Chemical & Volume Control (CV)	7	4
Main Steam (MS)	2	2
Reactor Coolant (RC)	18	9
Residual Heat Removal (RH)	7 .	5
Reactor Coolant (RY)	3	3
Steam Generator Blowdown (SD)	2	. 1
Safety Injection (SI)	10	9
TOTALS	50	33

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 credit during A1R14.

Table 2.4.1-1
A1R14 Section XI Pressure Tests

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

^{*} The Second ISI Interval was extended as permitted by IWB-2412(b) to complete examinations on remaining Second Interval portion of test block A01ZZ-000005-M04-02A during A1R14.

The components contained in the Table 2.4.1-2 are pressure test blocks that were either examined during A1R14 but credited to the Second ISI Interval or were completed during the Second Interval but were not submitted under the previous A1R13 outage report because surveillances were still in progress at the time the A1R13 90 Day Report was submitted.

Table 2.4.1-2
Second Interval Section XI Pressure Tests
Completed Since Previous Report

System	Class	Number of Test Blocks Examined
Component Cooling (CC)	2	1
Containment Spray (CS)	2	. 5
Chemical Volume & Control (CV)	2	2
Fuel Pool Cooling (FC)	2	2
Process Sampling (PS)	2	1
Residual Heat Removal (RH)	2	4
Safety Injection	2	7
Essential Service Water (SX)	2	4
Plant Systems Pressurized During Mode 3 (ZZ)	1 & 2	2
	TOTALS	28

2.4.2 Borated Bolting Inservice Inspection Summary

Summary of components contained in this table are those insulated borated bolted connections that were examined for Section XI Inservice Inspection credit. Inspections on these connections are performed per the ISI Program Plan.

SYSTEM EXAMINED	Number of Connections Examined by VT-2	Number of Connections Examined by VT-1
Chemical & Volume Control (CV)	15	0
Pressurizer (PZR)	1	0
Reactor Coolant (RC)	13	1
Residual Heat Removal (RH)	2	0
TOTALS	. 31	• 1

2.5 Steam Generator Eddy Current Testing Summary

2.5.1 Steam Generator Eddy Current Testing Summary

In compliance with Braidwood Station Technical Specification (TS) 5.5.9, "Steam Generator (SG) Program," and American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code Section XI 2001 Edition through 2003 addenda, IWB 2500-1, Examination Category B-Q, Item B16.20, SG eddy current examinations were performed during the Braidwood Station Unit 1 Cycle 14 refueling outage (A1R14). In addition, the inspections were performed consistent with the Electric Power Research Institute (EPRI) "PWR Steam Generator Examination Guidelines," Revision 7, and Nuclear Energy Institute NEI 97-06, "Steam Generator Program Guidelines," Revision 2.

Braidwood Station Unit 1 A1R14 ISI Outage Report

The following inspections were performed during this outage.

- 100% full length bobbin coil eddy current in all four SGs
- 100% hot leg dents and dings ≥ 2.0 volts +Point™
- Diagnostic +Point™ eddy current based on bobbin coil eddy current results
- 100% Visual Inspection of Previously Installed Tube Plugs
- 100% Visual Inspection of Newly Installed Tube Plugs

The modes of tube degradation found during A1R14 were fan bar wear, lattice grid wear and foreign object wear.

As a result of the eddy current inspection of the SGs, a total of 5 tubes were removed from service by mechanical tube plugging. The 5 tubes were removed from service due to either having wear associated with secondary side foreign objects or were required to be removed from service in order to bound locations where secondary side foreign objects could not be retrieved.

There were no scanning limitations during the eddy current examinations. Table 2.5.1-1, "Equivalent Tube Plugging Level," provides the total tube plugging history and equivalent plugging levels to-date for the Braidwood Station, Unit 1 SGs. Note: The Braidwood Unit 1 steam generators were replaced during the Cycle 7 refueling outage (November 1998).

Table 2.5.1-1
Equivalent Tube Plugging Level

	SG A	SG B	SG C	SG D	Total
Tubes Plugged at Factory	1	2	0 -	0	. 3
Tubes Plugged in A1R08	1	0	0	0	1 .
Tubes Plugged in A1R10	8	10	3	0	21
Tubes Plugged in A1R11	0	2	2	1	5
Tubes Plugged in A1R12	11	17	0	- 0	28
Tubes Plugged in A1R13	6	8	7	0	21
Tubes Plugged in A1R14	0	1	4	0	5
Total Tubes Plugged	27	40	16	1	84
Total Tubes Plugged (%)	0.41%	0.60%	0.24%	0.02%	0.32%

Note: Steam Generator Inspections Were Not Performed During A1R09.

One tube contained an indication of secondary side foreign object wear greater than the TS plugging limit of \geq 40% in any of the four SGs. The indication was sized as 73% Though Wall (TW). Structural and leakage integrity, as defined by TS 5.5.9.b, "Performance Criteria for SG Tube Integrity," was demonstrated through successful performance of In-Situ pressure testing of the degraded area of the tube.

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

3.0 COMPONENT 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 3-19) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 welds and components for the Third ISI Interval. 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	Code Coverage	Exam Summary	Actual Exam	Results
Inspection C	omments					*.		
(A)	(B) (K)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(J) .								

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

The table for this section (Page 3-20 to 3-22) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and Class 2 components replaced during A1R14 (Third ISI Interval). 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	Code Coverage	Exam Summary	Actual Exam	Results
Inspection C	omments							;
(A)	(B) (K)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(J)							•	

3.1.3 Detailed Third Interval Inservice Component Support Table:

The table for this section (Pages 3-23 to 3-30) lists the examinations performed for Section XI Inservice Inspection requirements for Class 1 and 2 component supports for the Third ISI Interval. 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 Inspection C	ISI Identifier Description	Line Number/EPN	Relief Request	Program Notes	Exam Summary	Results
(A)	(B) (K)	(C)	(D)	(E)	(G)	(1)
(J)	. (14)				*	

3.1.4 Detailed Third Interval Preservice Component Support Table:

The table for this section (Pages 3-31) 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

Braidwood Station Unit 1 A1R14 ISI Outage Report

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 C (A)	(B)	(C)	(D)	(E)	(G)	(I)
(J)	(N) ·			<u> </u>	<u> </u>	

3.1.5 Detailed Third Interval Inservice Snubber Table:

The table for this section (Pages 3-32 to 3-40) 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 3.3.

	Section XI Cat. Item	ISI Identifier Description	Line	Number/EPN		Relief Request	Program Notes	Exam Summary	Results
1	Inspection Co	mments							
•	(A)	(B)		(C)	•	(D)	(E)	(G)	(l)
	•	(K)	•						•
	(J)								*

3.1.6 Detailed Third Interval Preservice Snubber Table:

The table for this section (Pages 3-41 to 3-42) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and 2 snubbers replaced during A1R14. 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 C	omments				-	
(A)	(B) (K)	(C)	(D)	(E)	(G)	(1)
(J)		·				

3.1.7 Detailed Listing of Third Interval System Pressure Tests

The table for this section (Pages 3-43) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 pressure test blocks credited to the Third ISI Interval. 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	Relief Request	Program Notes	Exam Summary	Results
Inspection (Comments				
(A)	(B) (K)	(D)	(E)	(G)	(1)
(J)				•	

Braidwood Station Unit 1 A1R14 ISI Outage Report

3.1.8 Detailed Borated Bolted Connection Table

The table for this section (Pages 3-44 to 3-47) 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 3.3.

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

3.2 Second Interval Inservice Inspection Detailed Result Tables

3.2.1 Detailed Second Interval Inservice Weld/Component Table

The table for this section (Pages 3-48) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 welds and components for the Second ISI Interval. 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	Code Coverage	Exam Summary	Actual Exam	Results
Inspection C	omments							
(A)	(B) (K)	(C)	(D)	(E)	(F)	(G)	(H)	(I)
(J)								

3.2.2 Detailed Listing of Second Interval System Pressure Tests

The table for this section (Pages 3-49 to 3-57) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 pressure test blocks credited to the Second ISI Interval. 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 Inspection	ISI Identifier Description Comments		Relief Request	Program Notes	Exam Summary	Results
(A)	(B) (K)		(D)	(E)	(G)	(1)
(J)		<u> </u>				

3.3 General Inservice Report Information

3.3.1 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.

Exelun... Braidwood Station Unit 1 A1R14 ISI Outage Report

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
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



SYSTEM: Containment Spray System (CS)

•	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Control administration (Control	Actual Exam	Results
Comn	nents						100	15 P. P.	
NA	ECCS	1CS-01-02 ELBOW - 10"X8" REDUCI	1CS02AA-8" ≣R		NOTE 19	100	VOL	UT-0 UT-45 UT-70	NRI
	degree perf e shear wa	formed to determine materia ve.	al thickness and confirm	no existing co	ounterbore.	Complete c	overage ach	ieved with 4	l5
NA	ECCS	1CS-03-76 PIPE - ELBOW	1CS06AA-6"		NOTE 19	100	VOL	UT-0 UT-45	NRI
	degree perl e shear wa	formed to determine materia ve.	al thickness and confirm	no existing co	ounterbore.	Complete c	overage ach	nieved with 4	15
NA È	ECCS	1CS-03-77 ELBOW - PIPE	1CS06AA-6"		NOTE 19	100	VOL	UT-0 UT-45	NRI
	degree per e shear wa	formed to determine materially.	al thickness and confirm	no existing co	ounterbore.	Complete c	overage ach	nieved with 4	1 5
R-A	R01.20	1CS-04-24 PIPE - ELBOW	1CS23AB-14"	I3R-01	NOTE 17	97	VOL-E	UT-0 UT-45	NRI
	٠.,						•	UT-60 UŢ-70	NRI NRI
zero d	legree. Th	formed for material thicknes e 70 degree scan was perfo recording limits was observ	ormed for single sided ex						w at
C-C	C03.30	1CSP-01-CSP04, 05, 06 1CS01PB PUMP LUG	1CS01PB		NOTE 17	65.7	SUR	PT	. NRI
				s of each lug (



SYSTEM: Chemical & Volume Control System (CV)

Se	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code l Coverage l	Required Exam	Actual Exam	Results
Comn	nents	STINKS.							
R-A		1CV-05-03 PIPE - ELBOW	1CVA3B-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1CV-05-04 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1CV-05-05 PIPE - ELBOW	1CVA3B-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1CV-05-06 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1CV-05-13 PIPE - ELBOW	1CVA3B-2"	I3R-01	NOTE 17		VT-2	,	NRI
R-A	R01.11	1CV-05-14.01 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17		VT-2	· · · · · · · · · · · · · · · · · · ·	NRI
R-A	R01.11	1CV-11-06 PIPE - ELBOW	1CVA6AA-2"	I3R-01	NOTE 17	•	VT-2		NRI
R-A	R01.11	1CV-11-07 ELBOW - PIPE	1CVA6AA-2"	I3R-01	NOTE 17		VT-2		NRI
NA .	ECCS	1CV-17-16 PIPE - ELBOW	1CV05CB-6"		NOTE 19	100	VOL	UT-45	NRI
NA	ECCS	1CV-17-24 ELBOW - PIPE	1CV05CB-6"		NOTE 19	100	VOL	UT-0 UT-45	NRI
NA	ECCS	1CV-17-25 PIPE - ELBOW	1CV05CB-6"		NOTE 19	100	VOL	UT-45	NRI
R-A	R01.11	1RC-36-15 PIPE - ELBOW	1CVA3AA-2"	I3R-01	NOTE 17		VT-2	•	NRI
R-A	R01.11	1RC-36-16 ELBOW - PIPE	1CVA3AA-2"	I3R-01	NOTE 17		VT-2	i	NRI
R-A	R01,11	1RC-36-17 PIPE - ELBOW	1CVA3AA-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-18 ELBOW - PIPE	1CVA3AA-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-11 PIPE - ELBOW	1CVA7AA-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-12 ELBOW - PIPE	1CVA7AA-2"	I3R-01	NOTE 17		VT-2		NRI



SYSTEM: Feedwater System (FW)

			i ioquosia	Notes	Coverage	EXAIII	Exam	
8	2000 1405 EE	7 () () () ()	1000					
)1,11)1.18	1FW-02-04 VALVE 1FW009A - PIPE	1FW03DA-16"	I3R-01	NOTE 09 NOTE 17	100	VOL-E	UT-0 UT-45	NRI
			e of counterbo	ore. Single-s	sided exami	nation. Prev	viously reco	rded
)1.11)1.18	1FW-02-05 PIPE - PIPE	1FW03DA-16"	I3R-01	NOTE 09 NOTE 17	100	VOL-E	UT-0 UT-45	NRI
		and confirm counterbor	re did not exist	. Previously	recorded g	eometry ob	served belo	w
01.11	1FW-02-05A	1FW03DA-16"	I3R-01	NOTE 09	100	VOL-E	UT-0	NRI
1.18	PIPE - PENETRATION (1)	PC-079)		NOTE 17			UT-45	
	o1.11 o1.18 e perfo observe o1.11 o1.18 e perfo levels	of 1.11 1FW-02-04 of 1.18 VALVE 1FW009A - PIPE the performed to confirm thickness observed below recordable levels. of 1.11 1FW-02-05 of 1.18 PIPE - PIPE the performed to confirm thickness levels. of 1.11 1FW-02-05A	11.11 1FW-02-04 1FW03DA-16" 11.18 VALVE 1FW009A - PIPE the performed to confirm thickness and determine presence observed below recordable levels. 11.11 1FW-02-05 1FW03DA-16" 11.18 PIPE - PIPE the performed to confirm thickness and confirm counterbook levels.	11.11 1FW-02-04 1FW03DA-16" I3R-01 11.18 VALVE 1FW009A - PIPE the performed to confirm thickness and determine presence of counterbookserved below recordable levels. 11.11 1FW-02-05 1FW03DA-16" I3R-01 11.18 PIPE - PIPE the performed to confirm thickness and confirm counterbore did not exist levels. 11.11 1FW-02-05A 1FW03DA-16" I3R-01	11.11 1FW-02-04 1FW03DA-16" I3R-01 NOTE 09 11.18 VALVE 1FW009A - PIPE NOTE 17 the performed to confirm thickness and determine presence of counterbore. Single-subserved below recordable levels. 11.11 1FW-02-05 1FW03DA-16" I3R-01 NOTE 09 11.18 PIPE - PIPE NOTE 17 the performed to confirm thickness and confirm counterbore did not exist. Previously levels.	11.11 1FW-02-04 1FW03DA-16" I3R-01 NOTE 09 100 NOTE 17 reperformed to confirm thickness and determine presence of counterbore. Single-sided examinabserved below recordable levels. 11.11 1FW-02-05 1FW03DA-16" I3R-01 NOTE 09 100 NOTE 17 reperformed to confirm thickness and confirm counterbore did not exist. Previously recorded glevels.	11.11 1FW-02-04 1FW03DA-16" I3R-01 NOTE 09 100 VOL-E 11.18 VALVE 1FW009A - PIPE NOTE 17 The performed to confirm thickness and determine presence of counterbore. Single-sided examination. Presides a performed below recordable levels. 11.11 1FW-02-05 1FW03DA-16" I3R-01 NOTE 09 100 VOL-E 11.18 PIPE - PIPE NOTE 17 The performed to confirm thickness and confirm counterbore did not exist. Previously recorded geometry observed below.	11.11 1FW-02-04 1FW03DA-16" I3R-01 NOTE 09 100 VOL-E UT-0 NOTE 17 UT-45 to performed to confirm thickness and determine presence of counterbore. Single-sided examination. Previously recordsberved below recordable levels. 11.11 1FW-02-05 1FW03DA-16" I3R-01 NOTE 09 100 VOL-E UT-0 NOTE 17 UT-45 to performed to confirm thickness and confirm counterbore did not exist. Previously recorded geometry observed below levels. 11.11 1FW-02-05A 1FW03DA-16" I3R-01 NOTE 09 100 VOL-E UT-0 NOTE 17 UT-45 to performed to confirm thickness and confirm counterbore did not exist. Previously recorded geometry observed below levels.

SYSTEM: Main Steam System (MS)

	tion XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comm	ients	and the state of t			F				
C-C	C03.20	1MS-01-SW07 (4) LUG ATTACH. FOR 1M	1MS01AD-30.25" //S08002C		NOTE 17	97	SUR	MT	NRI
xpan	sion from I	IR 901376.		·					
)-C	C03.20	1MS-01-SW08 TO SW09 (8) LUG ATTACH. FOR 1M	*	. ·	NOTE 17	97	SUR	MT	NRI RI
		IR 904273. Linear indication evaluated and accepted for			ınd out area.	Reference	e Issue Repo	ort 905949	•.
C-C	. ,	1MS-03-PG01 TO PG16 (8) LUG ATTACH. FOR 1M IR 904273.	1MS01AA-30.25" #S05007S		NOTE 17	97	SUR	MT	NRI NRI
-C	C03.20	1MS-03-SW14 TO SW17 (4) LUG ATTACH. FOR 1M	and the second s		NOTE 17	97	SUR	MT	NRI
С		1MS-05-PG01 TO PG08 (8) LUG ATTACH. FOR 1M	1MS01AB-32.75" //S06007S		NOTE 17	97	SUR	MT	Ri Ri
			•				VOL	UT-0	· .
ampl	e expansio	on due to 1MS-07-SW08 inc	lications in A1R14 (IR 9	901376) Fight	welded lugs	total (four	above clami	UT-45	below
ipe cl	amp). Ind	on due to 1MS-07-SW08 inc lications noted, IRs 904273 Rejected lugs are PG-03, PC	and 904794 initiated.					and four	
pe cl irther er dis ie lon	amp). Ind review. F scussions igest magi	lications noted, IRs 904273	and 904794 initiated. 604, PG06, and PG08. perform UT to confirm to degree and 45 degre	Two of four lug	s above and ize the lamin	below pipe	clamp are a	and four acceptable	through
ipe cl irther er dis ie lon 7496	amp). Ind review. F scussions gest magi 1 determin	lications noted, IRs 904273 Rejected lugs are PG-03, PC with NRR, Exelon agreed to netic particle indication. Zer	and 904794 initiated. 604, PG06, and PG08. perform UT to confirm to degree and 45 degre or continued service. 1MS01AB-32.75"	Two of four lug	s above and ize the lamin	below pipe	clamp are a	and four acceptable	through
ipe cl urther er dis ne lon 7496 -C ampl	amp). Ind review. F scussions gest mag 1 determir C03.20	lications noted, IRs 904273 Rejected lugs are PG-03, PG with NRR, Exelon agreed to netic particle indication. Zen ted component acceptable for the second sec	and 904794 initiated. G04, PG06, and PG08. perform UT to confirm to degree and 45 degree or continued service. 1MS01AB-32.75	Two of four lug and character e scans confire	ize the lamin med the indic NOTE 17	per extent or cation to be	f the welded laminar. Ev	and four acceptable attachment valuation E	through It lug with C NRI
pe cl inther er dis e lon 7496 -C ampl 7%.	amp). Ind review. F scussions gest mag 1 determir C03.20 e expansion	lications noted, IRs 904273 Rejected lugs are PG-03, PG with NRR, Exelon agreed to netic particle indication. Zer ned component acceptable f 1MS-05-SW07 TO SW10 (4) LUG ATTACH. FOR 18 on due to 1MS-07-SW08 inc	and 904794 initiated. 604, PG06, and PG08. I perform UT to confirm to degree and 45 degree or continued service. 1MS01AB-32.75 MS06002C dications in A1R14 (IR 9) 1MS01AC-32.75	Two of four lug and character e scans confire	ize the lamin med the indic NOTE 17	per extent or cation to be	f the welded laminar. Ev	and four acceptable attachment valuation E	through It lug with C NRI
ipe clurther districted in the long 7496 c-C ampliance.	amp). Index review. For scussions gest magning the determine C03.20 e expansion construction and construction in the construction of the construct	lications noted, IRs 904273 Rejected lugs are PG-03, PG with NRR, Exelon agreed to netic particle indication. Zer ned component acceptable f 1MS-05-SW07 TO SW10 (4) LUG ATTACH. FOR 18 on due to 1MS-07-SW08 inc	and 904794 initiated. 604, PG06, and PG08. I perform UT to confirm to degree and 45 degree or continued service. 1MS01AB-32.75" MS06002C dications in A1R14 (IR 9) 1MS01AC-32.75" MS07002C to base material at weld to the laminar flaws. Indications in Indications	and character e scans confirmed and character for the scans confirmed and the	s above and ize the lamin med the indices NOTE 17 mination limit NOTE 17	ar extent o cation to be 97 ed by pipe 97 eero degree	f the welded laminar. Even SUR clamp, cove SUR VOL UT was per	attachment waluation EMT mage achie MT UT-0 formed to	through It lug with C NRI Ved was RI IND
ipe cl urther er dis ne lon 7496 c-C ampl 7%. c-C Multipl harac vas fo	amp). Indexerview. For scussions agest maggest	lications noted, IRs 904273 Rejected lugs are PG-03, PG with NRR, Exelon agreed to netic particle indication. Zer led component acceptable f 1MS-05-SW07 TO SW10 (4) LUG ATTACH. FOR 1N on due to 1MS-07-SW08 inc 1MS-07-SW08 (4) LUG ATTACH. FOR 1N dications were noted in lug I confirm that indications we	and 904794 initiated. 604, PG06, and PG08. perform UT to confirm to degree and 45 degree or continued service. 1MS01AB-32.75" MS06002C dications in A1R14 (IR 9000000000000000000000000000000000000	and character e scans confirmed and character e scans confirme	s above and ize the lamin med the indices NOTE 17 mination limit NOTE 17	ar extent o cation to be 97 ed by pipe 97 eero degree	f the welded laminar. Even SUR clamp, cove SUR VOL UT was per	attachment waluation EMT mage achie MT UT-0 formed to	through It lug with C NRI ved was RI IND



7.7.5	tion XI Cat. ents	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage		Actual Exam	Results
R-A	R01.20	1RC-02-04A BRANCH CONNECTION -	THERMOWELL THERMOWELL	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.20	1RC-03-21A BRANCH CONNECTION -	THERMOWELL THERMOWELL	I3R-01	NOTE 17		VT-2	\$	NRI
R-A	R01.11	1RC-06-10 ELBOW - PIPE	1RC21AA-8"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
R-A	R01.11	ded geometry observed belo 1RC-06-12 ELBOW - PIPE	1RC21AA-8"	I3R-01	NOTE 17	100	VOL-E	UT-45	ŇRI
Previou	usly recor	ded geometry observed belo	w recordable levels.						
R-A	R01.11	1RC-07-07-02 ELBOW - NOZZLE	1RC37A-3"	I3R-01	NOTE 17		VOL	UT-0 UT-45 UT-70	NRI
Examir	nation for	MRP-146, not credited towa	rds Section XI program.					3170	
R-A	R01.11	1RC-07-10-01 ELBOW - PIPE	1RC28A-3"	I3R-01	NOTE 17		VOL	UT-0 UT-45 UT-70	NRI
Examir	nation for	MRP-146, not credited to Se	ection XI program.	1.					
R-A Previou		1RC-11-07 PIPE - ELBOW ded geometry observed belo	1RC04AB-12"	I3R-01	NOTE 04 NOTE 17	100	VOL-E	UT-45	NRI
R-A	R01.20	1RC-11-08 ELBOW - PIPE	1RC04AB-12"	I3R-01	NOTE 04 NOTE 17	100	VOL-E	UT-45	NRI
		ded geometry observed belo		•	<u> </u>			<u>. 1 y </u>	
R-A	R01.20	1RC-23-01 3"X1.5" REDUCER - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.20	1RC-23-02 PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.20	1RC-23-03 ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17	, . · · .	VT-2		NRI
R-A	R01.20	1RC-23-04 PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	•	NRI
R-A	R01.20	1RC-23-05 ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.20	1RC-27-04AA PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.20	1RC-27-05AA ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.20	1RC-27-06AA PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.20	1RC-27-07AA ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
									* *



-2-2-200 None -	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Coo Notes Co	de Required Actual verage Exam Exam	Results
Comm	nents			4.000			
R-A	R01.20	1RC-27-08AA PIPE - VALVE 1RC8045A	1RC22AA-1.5"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-01-03 PIPE - BRANCH CONNEC	1RC16AC-2" TION	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-01-04 PIPE - BRANCH CONNEC		I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-02-03 ELBOW - PIPE	1RC16AC-2"	I3R-01	NOTE 17	VT-2	NRI
Ŗ-A	R01.11	1RC-29-02-04 ELBOW - PIPE	1RC16AD-2"	I3R-01	NOTE 17	∨Т-2	NRI
R-A	R01.11	1RC-29-03-03 PIPE - ELBOW	1RC16AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-03-04 PIPE - ELBOW	1RC16AD-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-04-03 ELBOW - PIPE	1RC16AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-04-04 ELBOW - PIPE	1RC16AD-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-05-03 PIPE - ELBOW	1RC16AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-05-04 PIPE - ELBOW	1RC16AD-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-06-03 VALVE 1RC8038C - PIPE	1RC16AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-29-06-04 VALVE 1RC8038D - PIPE	1RC16AD-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-31-01 BRANCH CONNECTION -	1RC14AB-2" PIPE	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-31-02 PIPE - VALVE 1RC8039B	1RC14AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-31-03 VALVE 1RC8039B - PIPE	1RC14AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-31-04 PIPE - TEE	1RC14AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-31-05 TEE - 2"X.75" REDUCER	1RC14AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-31-06 TEE - PIPE	1RC14AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-31-07 PIPE - VALVE 1RC8037B	1RC14AB-2"	I3R-01	NOTE 17	VT-2	NRI



400000000000000000000000000000000000000	Cat.	Component ID Description	Line Number	11	Relief Request	Technical (s Notes (Code Rec Coverage Exa	quired am	Actual Exam	Results
, angunary man		1RC-31-08 BRANCH CONNECTION -	1RC26A-2" PIPE		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-01 BRANCH CONNECTION -	1RC14AA-2" PIPE		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-02 PIPE - ELBOW	1RC14AA-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-03 ELBOW - PIPE	1RC14AA-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-04 PIPE - VALVE 1RC8039A	1RC14AA-2"	4	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-05 VALVE 1RC8039A - PIPE	1RC14AA-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-06 PIPE - TEE	1RC14AA-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-07 TEE - 2"X.75" REDUCER	1RC14AA-2"		I3R-01	NOTE 17	:	VT-2		NRI
R-A	R01.11	1RC-36-08 TEE - PIPE	1RC14AA-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-09 PIPE - VALVE 1RC8037A	1RC14AA-2"		I3R-01	NOTE 17	: .	VT-2		NRI
R-A	R01.11	1RC-36-20 PIPE - TEE	1RC14AA-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-36-22 TEE - 2"X1" REDUCER	1RC86AA-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-01 BRANCH - PIPE	1RC14AD-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-02 PIPE - ELBOW	1RC14AD-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-03 ELBOW - PIPE	1RC14AD-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-04 PIPE - VALVE 1RC8039D	1RC14AD-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-05 VALVE 1RC8039D - PIPE	1RC14AD-2"	1.	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-06 PIPE - TEE	1RC14AD-2"		I3R-01	NOTE 17		VT-2	· ·	NRI
R-A	R01.11	1RC-37-07 TEE - 2"X.75" REDUCER	1RC14AD-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-37-08 TEE - PIPE	1RC14AD-2"		I3R-01	NOTE 17		VT-2		NRI
							,			



*******	tion XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Co Notes Co	de Required Actual Exam	Results
Comm	ents	and the College of th					
R-A	R01.11	1RC-37-09 PIPE - VALVE 1RC8037D	1RC14AD-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-01AA PIPE - BRANCH CONNEC	1RC16AA-2" TION	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-01AB PIPE - BRANCH CONNEC	1RC16AB-2" TION	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-02AA ELBOW - PIPE	1RC16AA-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-02AB ELBOW - PIPE	1RC16AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-03AA PIPE - ELBOW	1RC16AA-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-03AB PIPE - ELBOW	1RC16AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-04AA ELBOW - PIPE	1RC16AA-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-04AB VALVE 1RC8038B - PIPE	1RC16AB-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-05AA PIPE - ELBOW	1RC16AA-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-41-06AA VALVE 1RC8038A - PIPE	1RC16AA-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-01 BRANCH CONNECTION -	1RC14AC-2" PIPE	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-02 PIPE - ELBOW	1RC14AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-03 ELBOW - PIPE	1RC14AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-04 PIPE - VALVE 1RC8039C	1RC14AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-05 VALVE 1RC8039C - PIPE		I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-06 PIPE - TEE	1RC14AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-07 TEE - 2"X3/4" REDUCER	1RC14AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-08 TEE - PIPE	1RC14AC-2"	I3R-01	NOTE 17	VT-2	NRI
R-A	R01.11	1RC-42-09 PIPE - VALVE 1RC8037C	1RC14AC-2"	I3R-01	NOTE 17	VT-2	NRI



	tion XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Co Notes Co	ide iverage	Free Court State State Court State S	Actual F Exam	Results
Comm	ents								
R-A	R01.11	1RC-42-10 PIPE - TEE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	•	NRI _. .
R-A	R01.11	1RC-42-11 TEE - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1RC-42-12 TEE - 2"X1" REDUCER	1RC14AC-2"	I3R-01	NOTE 17		VT-2		NRI
NA	RG 1.14	1RCP-01-FLYWHEEL (PMP C) RCP "C" PUMP FLYWHEE	1RCP01C		NOTE 18	100	PT .	PT .	NRI
Examir	ned bore a	and three keyways of 1C RC			·			2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 -	
B-G-1	B06.180	1RCP-01-RCP-PD-01 TO 24	1RC01PD		NOTE 03	100	VOL	UT-0	NRI
		RCP MAIN FLANGE BOLT	(01 TO 24)		NOTE 15.			· · · · · · · · · · · · · · · · · · ·	· .
R-A	R01.15	1RV-01-022	1RC01R	I3R-01	NOTE 14	· · .	Visual, VE	Visual, VE	NRI
Marral	MRP- 139	NOZZLE - SAFE END (22			NOTE 17	*-			
		ination in accordance with C	12. 2 . 11			<u> </u>			
R-A	R01.15	1RV-01-025	1RC01R	13R-01	NOTE 14		Visual, VE	Visual, VE	NRI
	B15.90 MRP- 139	NOZZLE - SAFE END (158	B DEG.)		NOTE 17			+ 5	
Visual,		ination in accordance with C	ode Case N-722.						
R-A	R01.15	1RV-01-026	1RC01R	I3R-01	NOTE 14		Visual, VE	Visual, VE	NRI
	B15.90 MRP-	NOZZLE - SAFE END (202	2 DEG.)	•	NOTE 17			· .	
\ <i>(</i> :==1	139) N 700						
visuai,	VE exam	ination in accordance with C							
R-A	R01.15	1RV-01-029	1RC01R	I3R-01	NOTE 14		Visual, VE	Visual, VE	.NRI
		NOZZLE - SAFE END (338	B DEG.)		NOTE 17				
	MRP- 139								
Visual,		ination in accordance with C	ode Case N-722.						
NA	NA	1RV-03-74-BMV	1RC01R		NOTE 17	100	Visual, VE	Visual, VE	NRI
		WELD IN PERIPHERAL C							
		ation skirting was shimmed b evidence of leakage, degra			tration 74 in ac	cordance	e with Relaxa	tion Reques	t
B-G-1	B06.10	1RV-03-NUTS (01 TO 54) CLOSURE HEAD NUTS (5	•		NOTE 03	100	VT-1	VT-1	NRI
After d	isassembl	ly, examined reactor head fl	•	21, 22, 23, 24, 25	26, 27, 28, 29	30, 31	32, 33, 34, 35	5. and 36	•



Section of the sectio	tion XI Cat.	Component ID Description	Line Number	Relief Requests		ode overage	100 CONTRACTOR (100 CONTRACTOR	Actual Exam	Results
omm	ents	1988 B							
-G-1	B06.50	1RV-03-WASHERS CLOSURE WASHERS (0	1RC01R 1 TO 54)		NOTE 03		VT-1		NRI
	sassembl 34, 35, aı	y, examined reactor head fl nd 36.	ange washers (two wasl	hers each per	bolt) #19, 20,	21, 22, 23	, 24, 25, 26,	27, 28, 29	, 30, 31,
-Q	B16.20	1SG-05-1RC01BA TUBING	1RC01BA				VOL	• •	· NRI
		STEAM GENERATOR TU	BING				ET		
G-1	B06.90	1SG-05-SGB-01 PRIMARY MANWAY (20 S	1RC01BA STUDS and BOLTS)		NOTE 03	100	VOL	UT-66 UT-80L	NRI
amin	ed twenty	primary manway studs for	the 1A steam generator	hot leg manv	ay (Numbers	1-AH-01 to	1-AH-20).		
	ned volum	1SG-05-SGB-02 PRIMARY MANWAY (20 setric of nineteen primary mode). The elongation rod in st	anway studs for the 1A						
O# 1	078773-0	1.							
reser	ice UT of	replacement primary many	vay cold leg bolt #15.		•			<u> </u>	
G-1	B06.110	1SG-05-SGN-01 PRIMARY MANWAY (20 I	1RC01BA NUTS, BUSHINGS, and		NOTE 03		VT-1	VT-1	NRI
erforn	ned VT-1	WASHERS) examination of primary mar	nway stud nuts for 1A st	eam generato	r hot leg manw	av (Nuts	1-AH-01- to	1-AH-20)	
			3	ou goo.u.o		·······································			MDI
·G-1	. 806.110	1SG-05-SGN-02 PRIMARY MANWAY (20 I WASHERS)	1RC01BA NUTS, BUSHINGS, and		NOTE 03		VT-1	VT-1	NRI
xamir	ed twenty	primary manway stud nuts	for 1A steam generator	r cold leg man	way (Nuts 1-A	C-01 to 1-	AC-20).		
Q	B16.20	1SG-06-1RC01BB TUBING	1RC01BB				VOL		RI
ube a	t Row 89	STEAM GENERATOR TU Column 30 was plugged on		ds under WO#	‡ 1073205-02 b	ased on o	ET eddy current	test results	S .
Q	B16.20	1SG-07-1RC01BC TUBING	1RC01BC				VOL		. RI
	lowing fou	STEAM GENERATOR TU r tubes were plugged on th	_ · · · · - ·	nds based on	eddy current to	est results	ET : Row 28 Co	olumn 63, F	low 30
	- CO D								
	1 63, HOW	27 Column 64, and Row 29	9 Column 64. Tubes we	ere plugged ur	ider WO# 1073	3207-02.			
		1SG-08-1RC01BD TUBING	1RC01BD	ere plugged ur	ider WO# 1073	3207-02.	VOL		NRI
olumr		1SG-08-1RC01BD	1RC01BD	ere plugged ur	der WO# 1073	3207-02.	VOL ET		NRI :
Q Q	B16.20	1SG-08-1RC01BD TUBING	1RC01BD	ere plugged ur	der WO# 1073	100		UT-45 UT-60	NRI NRI
·Q ·A	B16.20	1SG-08-1RC01BD TUBING STEAM GENERATOR TU 1SI-02-38	1RC01BD JBING 1RC35AA-6"	I3R-01	NOTE 17	100	ET VOL-E	UT-60	NRI
Q A reviouvels.	B16.20	1SG-08-1RC01BD TUBING STEAM GENERATOR TU 1SI-02-38 ELBOW - PIPE ded beam redirection was n	1RC01BD JBING 1RC35AA-6"	I3R-01	NOTE 17	100	ET VOL-E	UT-60 d below red UT-45	NRI
-Q -A reviouvels.	B16.20 R01.20 usly record	1SG-08-1RC01BD TUBING STEAM GENERATOR TU 1SI-02-38 ELBOW - PIPE ded beam redirection was n	1RC01BD JBING 1RC35AA-6" not observed. Previously 1RC35AA-6"	I3R-01 recorded roo	NOTE 17 t/geometry ind	100 ications w	ET VOL-E ere observe	UT-60 d below red	NRI



\$5000 Burney A. 2. 12	tion XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comm	ents	CONTRACTOR OF THE CONTRACTOR O	.036				e ad Galery	1140	
R-A	R01.11	1SI-02-44 PIPE - TEE	1RC04AA-12"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
ID geor	netry obs	erved below recordable leve	ls.						
R-A		1SI-02-45 ELBOW - PIPE	1RC04AA-12"	13R-01	NOTE 17	100	VOL-E	UT-45	NRI
ID geor	netry obs	erved below recordable leve	ls.			· .			
R-A	R01.11	1SI-16-22.01 VALVE 1SI8900D - PIPE	1RC30AD-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1SI-16-23 PIPE - 3"X1½" REDUCER	1RC30AD-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1SI-17-01 PIPE - 3"X1½" REDUCER	1RC30AB-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1SI-17-02 VALVE 1SI8900B - PIPE	1RC30AB-1.5"	I3R-01	NOTE 17	· · · · · · · · · · · · · · · · · · ·	VT-2	٠	NRI
R-A	R01.11	1SI-31-01 PIPE - REDUCER	1RC30AA-1.5"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1SI-31-02 VALVE 1SI8900A - PIPE	1RC30AA-1.5"	I3R-01	NOTE 17		VT-2		NRI

ee00000000.00.00.000000.00.00	tion XI Cat.	Component ID Description	Line Number		Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comm			<u> </u>			-1	-	<u> </u>		
R-A	R01.11	1CV-02-13 VALVE 1CV8377 - PIPE	1RY18A-2"		I3R-01	NOTE 17		VT-2		NRI
-	R01.11	1CV-02-14 PIPE - ELBOW	1RY18A-2"		I3R-01	NOTE 17		VT-2		NRI
R-A .	R01.11	1CV-02-15 ELBOW - PIPE	1RY18A-2"		I3R-01	NOTE 17		VT-2		NRI
A-A	R01.11	1CV-02-16 PIPE - ELBOW	1RY18A-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1CV-02-17 ELBOW - PIPE	1RY18A-2"		I3R-01	NOTE 17		VT-2		NRI
Ŗ-A	R01.11	1CV-02-18 PIPE - ELBOW	1RY18A-2"		I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1CV-02-19 ELBOW - PIPE	1RY18A-2"	1 · - <u>* * *</u>	I3R-01	NOTE 17		VT-2		NRI
3-K	B10.10	1PZR-01-07 PRESSURIZER SUPPOR	1RY01S			NOTE 17 NOTE 29	100	SUR	МТ	NRI
Code C	Case N-70	00 applies.	· ·							
3-В	B02.11	1PZR-01-08A SHELL - LOWER HEAD	1RY01S		. •	NOTE 17	95.3	VOL	UT-0 UT-45 UT-60	NRI
Examir	ation limi	ited due to welded pads on	head side of weld	and ins	trument no	zzles, cumula	tive examin	ation covera	age was 95	5.3%.
3-B	B02.12	1PZR-01-09A SHELL LONG SEAM	1RY01S			NOTE 17	100	VOL	UT-0 UT-45 UT-60	NRI
Examir	ed twelve	e inches of longitudinal sear	n weld associated	I with 1F	PZR-01-08/	١. '	<u> </u>	,	<u> </u>	· · · · · · · · · · · · · · · · · · ·
B-G-2	B07.50	1RC-32-B5 FLANGED CONNECTION	1RY03BB-6" I (12 STUDS)	, .				VT-1	VT-1	NRI
		anuts only. Inlet flange bolt bishment.	ing stays with valv	e and v	vill be exam	ined after val	ve is return	ed from off	site for set	point
		1RC-32-B6 FLANGED CONNECTION	1RY03BC-6"	•				VT-1	VT-1	NRI
		FLANGED CONNECTION anuts only. Inlet flange bolt bishment.	'	ve and v	vill be exam	nined after val	ve is return	ed from off	site for set	t point

SYSTEM: Safety Injection System (SI)

C	at.	Component ID Description	Line Number	Relief Requests			Required Exam	Actual Exam	Results
omme	ents								
Α	ECCS	1SI-01-03 ELBOW - PIPE	1SI09BA-10"		NOTE 19	100	VOL	UT-45	NRI
		nination (stagnant borated lecordable levels.	ine). Volume expand	ed to include Ri	sk Informed IS	volume.	Previously	recorded ge	ometry
Α	ECCS	1SI-01-04 PIPE - ELBOW	1SI09BA-10"		NOTE 19	100 .	VOL	UT-45	NRi
		nination (stagnant borated li led geometry observed belo					o counterb	ore detecte	d).
A .	ECCS	1SI-01-05 ELBOW - PIPE	1SI09BA-10"		NOTE 19	100	VOL	UT-45	NRI
		nination (stagnant borated l ded geometry observed belo					o counterb	ore detecte	ed).
A	ECCS	1SI-01-06 PIPE - ELBOW	1SI09BA-10"		NOTE 19	100	VOL	UT-45	NRI
		nination (stagnant borated I ded geometry observed belo					o counterb	ore detecte	ed).
Α	ECCS	1SI-01-07 ELBOW - PIPE	1SI09BA-10"		NOTE 19	100	VOL	UT-45	NRI
		nination (stagnant borated lided geometry observed belo					o counterb	ore detecte	∍d).
-A	R01.11	1SI-10-25 PIPE - ELBOW	1SI18FC-2"	I3R-01	NOTE 17		VT-2		NRI
- A	R01.11	1SI-10-26.01 ELBOW - PIPE	1SI18FC-2"	I3R-01	NOTE 17		VT-2		NRI
-A	R01.11	1SI-18-23 VALVE 1SI8810B - PIPE	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2		NRI
-A	R01.11	1SI-18-24 PIPE - ELBOW	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2		NRI
-A	R01.11	1SI-18-25 ELBOW - PIPE	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2		NRI
I-A	R01.11	1SI-18-26 PIPE - ELBOW	1SI08JB-1.5"	I3R-01	NOTE 17		VT-2		NRI
I-A	R01.11	1SI-19-01 BRANCH CONNECTION	1SI08GA-1.5" - PIPE	I3R-01	NOTE 17		VT-2		NRI
l-A	R01.11	1SI-19-06 COUPLING - PIPE	1SI08HA-2"	I3R-01	NOTE 17		VT-2		NRI
R-A	R01.11	1SI-19-07 PIPE - FLANGE	1SI08HA-2"	I3R-01	NOTE 17		VT-2		NRI
I-A	R01.11	1SI-19-08 FLANGE - PIPE	1SI08HA-2"	I3R-01	NOTE 17		VT-2		NRI
-A	R01.11	1SI-19-14 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2		NRI



SYSTEM: Safety Injection System (SI)

************	tion XI Cat.	Component ID Description	Line Number	Relief Requests	Technical C Notes C	ode overage	\$2,4 to 1 August 1,865(49005-9955) \$4.5 (5.7 A	Actual Exam	Results
omn	ents							1000000	
-A	R01.11	1SI-19-15 ELBOW - PIPE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	<u>:</u>	NRI
Α	R01.11	1SI-19-16 PIPE - VALVE 1SI8	1SI08JA-1.5" 3810A	I3R-01	NOTE 17		VT-2		NRI
-A	R01.11	1SI-19-17 VALVE 1SI8810A -	1SI08JA-1.5" PIPE	I3R-01	NOTE 17		VT-2	· · · · · ·	NRI
-A	R01.11	1SI-19-18 PIPE - FLANGE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	•	NRI
-A	R01.11	1SI-19-20 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2		NRI
-A	R01.11	1SI-19-22 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	· · · · · · · · · · · · · · · · · · ·	NRI
-A	R01.11	1SI-19-23 ELBOW - PIPE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2		NRI
-A	R01.11	1SI-19-24 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2		NRI
A	ECCS	1SI-28-25 ELBOW - PIPE	1SI09AC-10"		NOTE 19	100	VOL	UT-0 UT-45 UT-70	NA NRI
	ant borated		degree examination to determ	ine presence	of counterbore	and ID tran	sitions. Pr	and the second	erved at
A	ECCS	1SI-28-48 PIPE - ELBOW	1SI09AB-10"		NOTE 19	100	VOL	UT-0 UT-45	NRI
	usly recor		orated line). Volume expande ved below recordable levels.						d).
-A	R01.20	1SI-34-07	1SI01B-24"	I3R-01	NOTE 17	100	VOL-E	UT-0	NA
		PIPE - ELBOW					•	UT-45	NRI
						•		UT-60	NRI
	logroo nor		material thickness and confin he 60 degree shear wave was						toe of
	ed below	recordable levels. I			·				
sen	ved below eld.	1SI-35-18 TEE - PIPE	1SI53AA-14"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45 UT-70	NA NRI NRI



Section 3.1.2 Detailed Third Interval Preservice Weld / Component Table

SYSTEM: Auxiliary Feedwater System (AF)

Sec Cat.	tion XI	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comm	ients		100	ar do			1	0.00	52
R-A	R01.20	1AF-01-13 Pipe - Elbow	1AF02EB-4"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NRI NRI
		netric of new weld performe I work package weld inspec				. Weld is d	enoted as F	W-23, FW	-23 R1,
R-A	R01.20	1AF-01-14 Elbow - Pipe	1AF02EB-4"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NRI NRI
		netric of new weld performe spection records and RT an						W-2A-1 in	work
R-A	R01.20	1AF-01-15 Pipe - Elbow	1AF02EB-4"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NRI NRI
		netric of new weld performe spection records and RT an		nent under W	/O# 1170562	. Weld is d	enoted as F	W-22 in w	ork
R-A	R01.20	1AF-01-16 Elbow - Pipe	1AF02EB-4"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NRI NRI
		netric of new weld performe spection records and RT an		nent under W	/O# 1170562	. Weld is d	enoted as F	W 1-1 in w	ork
R-A		1AF-01-23 Pipe - Pipe	1AF02EB-4"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NRI NRI
		netric of new weld performe n work package weld inspec		nent under W	/O# 1170562	. Weld is d	enoted as F	W-21, FW	-21 R1,



Section 3.1.2 Detailed Third Interval Preservice Weld / Component Table

	ction XI	Component ID	Line Number	Relief	Technical	15 Jan 24 Same 200 Sales	Required	Actual Exam	Results
Cat	. Item	Description		Requests	Notes	Coverage	Exam	Exam	
Comn	nents	第13 33							
R-A	R01.20	1RC-24-07 ELBOW - PIPE	1RC22AC-1.5"	I3R-01	NOTE 17	100	SUR	PT	NRI
		e examination for replacement d PT report.	ent of valve 1RC8042C ເ	nder EC 3676	51 / WO# 10	67695-01.	Weld is den	oted as FV	V 8-1 in
R-A	R01.20	1RC-24-08 PIPE - VALVE 1RC80420	1RC22AC-1.5"	I3R-01	NOTE 17		SUR	PT	NRI
		e examination for replacement d PT report.	ent of valve 1RC8042C L	inder EC 3676	51 / WO# 10	67695-01.	Weld is den	oted as FV	√ 7-1 in
R-A	R01.20	1RC-24-09 VALVE 1RC8042C - PIPE	1RC22AC-1.5" ≣	I3R-01	NOTE 17	100	SUR	PT ·	NRI
		e examination for replacement d PT report.	ent of valve 1RC8042C L	inder EC 3676	51 / WO# 10	67695-01.	Weld is den	oted as FV	V 6-1 in
B-G-1	B06.90	1SG-05-SGB-02 PRIMARY MANWAY (20	1RC01BA STUDS and BOLTS)		NOTE 03	100	VOL	UT-66 UT-80L	NRI



Section 3.1.2 Detailed Third Interval Preservice Weld / Component Table

SYSTEM: Safety Injection System (SI)

Se Cat	ction XI . Item	Component ID Description	Line Number	Relief Requests	Technical Notes	3 Devil-Laboury Lab (411-25/86)	Required Exam	Actual Exam	Results
Comr	nents								
R-A	R01.11	1SI-23-03-FA.01 PIPE - ELBOW	1SI18FA-2"	I3R-01	NOTE 17	100	SUR	PT	NA
		e examination of socket ords and PT report.	weld replaced as part of	replacement of va	alve 1SI8819	A under WO	O# 609951.	Identified	as Weld
R-A	R01.11	1SI-23-04-FA.01 VALVE 1SI8819A - PI	1SI18FA-2" PE	I3R-01	NOTE 17	, 100	SUR	PT	NA
			weld replaced as part of	replacement of va	alve 1SI8819	A under WO	O# 609951.	Identified	as Weld 4



SYSTEM: Containment Spray System (CS)

Sectio	n XI ISI Identifier	Line Number		nnical Actual	Results
Cat.	Item Description		Requests Note	es Exam	
Comm	ents				7
F-A	F01.40 1CS03150G	1CS02AB-10"		VT-3	NRI
	Box				·



SYSTEM: Chemical & Volume Control System (CV)

Sectio	n XI	ISI Identifier	Line Number	Relief Technical	Actual	Results
Cat.	Item nents	Description		Requests Notes	Exam	
F-A	F01.20	1AB-113A Anchor, integrally attached to pipe	1CVA1A-6"		.VT-3 VT-3	NRI NRI
F-A	F01.20	1CV08001V (1) Variable Spring Can	1CV05CB-6"		VT-3	NRI
F-A	F01.20	1CV08005X (1) Strut	1CV05CB-6"		VT-3	NRI
F-A	F01.20	1CV08014G Box	1CV05CB-6"		VT-3	NRI
F-A	F01.20	1CV08017X Box	1CV05CB-6"		VT-3	NRI
F-A	F01.20	1CV08035R Box	1CV05B-8"		VT-3	NRI
F-A	F01.10	1CV09001R Box	1CVA3B-2"		VT-3	NRI .
F-A	F01.10	1CV09004R (1) Rod	1CVA3B-2"		VT-3	NRI
F-A	F01.10	1CV09016R (1) Strut	1CVA3B-2"		VT-3	NRI
F-A	F01.10	1CV11021R Box	1CVA3B-2"		VT-3	NRI
F-A	F01.10	1CV11022A Anchor	1CVA3B-2"	4	VT-3	NRI
F-A	F01.10	1CV11A001 Box	1CVA3B-2"		VT-3	NRI
F-A	F01.10	1CV15001X (1) Strut	1CVA5AB-2"		VT-3	NRI
F-A	F01.10	1CV15022R Box	1CVA5AA-2"		VT-3	NRI
F-A	F01.10	1CV15031R (1) Strut	1CVA5AA-2"		VT-3	NRI
F-A	F01.10	1CV15033R (1) Strut	1CVA3B-2"		VT-3	NRI
F-A	F01.10	1CV16024G Box	1CVA3B-2"		VT-3	NRI
F-A	F01.10	1CV16034V (1) Variable Spring Can	1CVA3B-2"		VT-3	NRI
F-A	F01.10	1CV16037R Box	1CVA3B-2"		VT-3	NRI
. F-A	F01.10	1CV25006R Strap	1CVA7AA-2"		VT-3	NRI



SYSTEM: Chemical & Volume Control System (CV)

Sectio	n XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.		Description		Requests	Notes	Exam	
Comm	ents	THE TENTON OF THE STANDARD STA					
F-A	F01.10	1CV25016X (1) Strut	1CVA7AA-2"			VT-3	NRI
F-A	F01.10	1CV25030G U-Bolt	1CVA3B-2"			VT-3	NRI
F-A	F01.20	1CV47003R (1) Strut	1CV05B-8"			VT-3	NRI
F-A	F01.10	1RB-330A Anchor, integrally attached to pipe	1CVB7A-3" e			VT-3	NRI ·
F-A	F01.10	1RY06095V (1) Variable Spring Can	1CV45B-2"		·	VT-3	NR!
F-A	F01.10	1RY06104A Anchor	1CV45B-2"			VT-3	NRI
F-A	F01.10	1RY06174R Box	1CV45B-2"			VT-3	NRI



SYSTEM: Feedwater System (FW)

Sectio	n XI	ISI Identifier	Line Number	Relief Technical	Actual	Results
200000000000000000000000000000000000000	Item	Description	The part of the pa	Requests Notes	Exam	300
Comm	ents			<u> 10. april 1980 – 1984 – 19</u>		
F-A	F01.20	1AF04071R (1) Rod	1FW81AB-6"		VT-3	NRI
F-A	F01.20	1AF04080X (1) Strut	1FW81AB-6"		VT-3	NRI
F-A	F01.20	1AF05061R (1) Strut	1FW81AC-6"		VT-3	NRI
F-A	F01.20	1AF06037R (1) Rod	1FW81AA-6"		VT-3	NRI
F-A	F01.20	1AF06038R (1) Rod	1FW81AA-6"		VT-3	NRI
F-A	F01.20	1AF06040V (1) Variable Spring Can	1FW81BA-6"		VT-3	NRI
F-A	F01.40	1AF06048G (1) Strut	1FW81AA-6"		VT-3	NRI
F-A	F01.20	1AF07030X Box	1FW81AD-6"		VT-3	NRI
F-A	F01.20	1FW02020X (1) Strut	1FW03DA-16"		VT-3	NRI
F-A	F01.20	1FW03020X (1) Strut	1FW03DB-16"		VT-3	NRI
F-A	F01.20	1FW03021C (1) Constant Spring Can	1FW03DB-16"		VT-3	NRI
F-A	F01.20	1FW04019X (1) Strut	1FW03DC-16"		VT-3	NRI
F-A	F01.20	1FW04020C (1) Constant Spring Can	1FW03DC-16"		VT-3	NRI
F-A	F01.20	1FW04021C (1) Constant Spring Can	1FW03DC-16"		VT-3	NRI
F-A	F01.20	1FW05002R (1) Strut	1FW03DD-16"		VT-3	NRI
F-A	F01.20	1FW05023X (1) Strut	1FW03DD-16"		VT-3	NRI
F-A		1FW05024C (1) Constant Spring Can	1FW03DD-16"		VT-3	NRI



SYSTEM: Main Steam System (MS)

Section XI		ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description .		Requests	Notes	Exam	
Comn	nents					1216 F 19	
F-A	F01.20	1MS01210X	1MS07AD-28"			VT-3	NRI
		(1) Strut, integrally attached to pipe					
F-A	F01.20	1MS01211R	1MS07AD-28"	:		VT-3	NRI ·
	·	Slide Plate	· ,		· · · · · · · · · · · · · · · · · · ·	<u> </u>	
F-A	F01.20	1MS06002C	1MS01AB-32.75"		•.	VT-3	NRI
		(2) Constant Spring Cans, IWA to p	ipe ·			VT-3	IND
dentif	ied indicati	n Comments: Support was examined ion pertained to inadequate shimming s. Reference Issue Report 906194.					
F-A	F01.20	1MS06006R	1MS01AB-32.75"			VT-3	NRI



Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Reactor Coolant System (RC)

Sectio	n XI	ISI Identifier		Line Number		Relief	Technical	Actual	Results
Cat.	Item	Description		100		Requests	Notes	Exam	
Comm	ents			200					
F-A	F01.10	1CV11018C (1) Constant Spring Can		1RC14AA-2"				VT-3	NRI
F-A	F01.10	1CV15038G Box	•	1RC14AB-2"	٠.	٠		VT-3	NRI
F-A	F01.10	1CV15041R (1) Strut		1RC14AB-2"	•			VT-3	NRI
F-A	F01.40	1RC01BA S.G. A		1RC01BA				VT-3	NRI



Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Residual Heat Removal System (RH)

Section	on XI	ISI Identifier		Line Number			Relief	Technical	Actual	Results
Cat.	Item	Description	30.51				Requests	Notes	Exam	
Comr	nents									
F-A	F01.20	1RH01006X Box		1RH03AA-8"	· · · · · · · · · · · · · · · · · · ·				VT-3	NRI
F-A	F01.40	1RH02AA 1A HT EXCH.,	integrally attached to	1RH02AA h HX					VT-3	NRI
F-A	F01.20	1RH08002R (2) Struts		1RH02AB-8"				1 · · · · · · ·	VT-3	NRI
F-A	F01.20	1RH08017X (1) Strut		1RH02AB-8"		· · · · · · · · · · · · · · · · · · ·			VT-3	NRI
F-A	F01.20	1RH08019G (2) Struts		1RH02AB-8"					VT-3	NRI
F-A	F01.20	1SI18075R Box		1RH03AA-8"		·			VT-3	NRI



Section 3.1.3 Detailed Third Interval Inservice Component Support Table

SYSTEM: Safety Injection System (SI)

Section	n XI	ISI Identifier	Marie Commence	Line Number		chnical Actual	Results
Cat.	Item	Description			Requests No	otes Exam	
Comm	ents			Tolk State		1	
F-A	F01.20	1PC-066A		1SI04B-12"		VT-3	NRI
	· · · · · · · · · · · · · · · · · · ·	Anchor, integr	ally attached to pipe		 	VT-3	NRI



Section 3.1.4 Detailed Preservice Component Support Table

SYSTEM: Main Steam System (MS)

Sec Cat.	tion XI Item	Component ID Description	Line Number Relief Tec Requests Not	hnical Exam es	Results
Comm	ents				nui Tu
F-A	F01.20	1MS05002C	1MS01AA-30.25"	VT-3	IND
		(2) Constant Spri	ing Cans, IWA to pipe	VT-3	NRI
Suppor	t was exa	mined in support o	of issues identified during MT Exams on associated shear lugs. The ide	ntified indication pe	ertained to

Support was examined in support of issues identified during MT Exams on associated shear lugs. The identified indication pertained to inadequate shimming between the shear lugs and pipe clamp. The 04/09/2009 examination was as-found. The 04/14/2009 Exam was the baseline exam after repairs were completed.



SYSTEM: Auxiliary Feedwater System (AF)

Section	n XI	ISI Identifier		Line Number	Relief	Technical /	Actual R	esults
Cat.	Item	Description			Requests	Notes E	Exam	
Comn	nents	582 () k. e			ter the plant in the	- 1		
F-A	F01.20	1FW12025S		1FW87BB-3"		NOTE 01	VT-3	NRI
		Snubber				•		
Snubb	er schedu	ıled for visual ex	amination only	during A1R14 (Ref. ASME	Code Case OM 13)			



SYSTEM: Chemical & Volume Control System (CV)

Cat. Item	Description		Requests Notes	Exam	Results
Comments	256 (1)	The state of the s		1	
NA NA SLM (DTPG 1-1) s 10167.	1CV01006S Snubber). Snubber was replaced due	1CV08BA-4" e to marginal test results during A1F	NOTE	FT	NRI PASS nubber S.N.
F-A F01.10	1CV16008S Snubber Test Sample Per ASME ON	1CVA3AB-2" 1 Code, ISTD. (DTPG-1-2)	NOTE	01 VT-3 FT	NRI PASS
NA NA	1CV28005S Snubber Test Sample Per ASME ON	1CV15AB75" // Code, ISTD. (DTPG-1-1)	NOTE	01 VT-3 FT	NRI PASS
NA NA Snubber schedu	1CV30002S Snubber lled for visual examination or	1CV15AD75" nly during A1R14 (Ref. ASME Code	NOTE	01 VT-3	NRI
NA NA	1CV30004S Snubber Test Sample Per ASME ON	1CV15AD75" // Code, ISTD. (DTPG-1-1)	NOTE	01 VT-3 FT	NRI PASS
NA NA	1CV31007S Snubber	1CV15DA75"	NOTE	01 VT-3	NRI
Snubber schedu		nly during A1R14 (Ref. ASME Code	Case OM 13)		
NA NA	1CV41036S Snubber	1CV14ED-2"	NOTE	01 VT-3	NRI



SYSTEM: Main Steam System (MS)

ISI Identifier	Line Number	Relief Technical	Actual	Results
Description		Requests Notes	Exam	
	Sure-sure sure sure sure sure sure sure sure		ere en on	
1MS06007AS	1MS01AB-32.75"	NOTE 01	VT-3	NRI
Snubber		*	FT	PASS
al Test Sample Per ASME OM	Code, ISTD. (DTPG-1-3)	•		
1MS06007BS	1MS01AB-32.75"	NOTE 01	VT-3	. NRI
Snubber		•	FT	PASS
•	Description 1MS06007AS Snubber al Test Sample Per ASME OM 0 1MS06007BS	Description 1MS06007AS Snubber al Test Sample Per ASME OM Code, ISTD. (DTPG-1-3) 1MS06007BS 1MS01AB-32.75"	Description Requests Notes 1 MS06007AS 1 MS01AB-32.75" NOTE 01 Snubber al Test Sample Per ASME OM Code, ISTD. (DTPG-1-3) 1 MS06007BS 1 MS01AB-32.75" NOTE 01	Description



SYSTEM: Reactor Coolant System (RC)

Section	Item	ISI Identifier Description	Line Number			ctual xam	Results
Comn	nents			54.65 are 1.55 (1.55)		77	
NA	. NA	1CV09069S	1RC14AC-2"		NOTE 01	VT-3	NRI
Initial I	Functional	Snubber Test Sample Per ASME OM Code	ISTD (DTPG-1-2)	•		FT	PASS
				•		• • •	· ·
NA	NA	1CV14001S Snubber	1RC16AD-2"		NOTE 01	VT-3 FT	NRI PASS
Initial I	Functional	Test Sample Per ASME OM Code	e, ISTD. (DTPG-1-2)				- FAGG
F-A	F01.10	1CV24026S	1RC16AB-2"		NOTE 01	VT-3	NRI
• , ,		Snubber	111010102		1101201	FT	PASS
Initial I	Functional	Test Sample Per ASME OM Code	e, ISTD. (DTPG-1-2)	• • • • • • • • • • • • • • • • • • • •			
F-A	F01.40	1RC01BA-A	S.G A		NOTE 01	VT-3	NRI
		Snubber			•		
Reser	voir Level:	2 1/4" above shut down level.	<u> </u>		· .	· · · · · · · · · · · · · · · · · · ·	
F-A	F01.40	1RC01BA-B	S.G A		NOTE 01	VT-3	NRI
Docom	vois Lovolv	Snubber				-	
	voir Levei:	2 1/4" above shut down level.					
F-A	F01.40	1RC01BB-A	S.G B		NOTE 01	VT-3	NRI
Reser	voir Level:	Snubber 2 1/4" above shut down level.					
F-A	F01.40	1RC01BB-B Snubber	S.G B		NOTE 01	VT-3	NRI
Reser	voir Level:	2 1/4" above shut down level.					
F-A	F01.40	1RC01BC-A	S.G C	· .	NOTE 01	VT-3	· NRI
. , .	. 01.10	Snubber	5. 4 0		1101201	•••	14.14
Reser	voir Level:	2" above shut down level.				٠.	
F-A	F01.40	1RC01BC-B	S.G C		NOTE 01	VT-3	NRI
•		Snubber				FT	PASS
Reser	voir Level:	2" above shut down level (As Left)	. Retest Of A1R13 Outage	Functional Test Failure	. (DTPG 1-4).		
F-A	F01.40	1RC01BD-A	S.G D		NOTE 01	VT-3	NRI
_		Snubber				FT	PASS
Heser	voir Level:	2 1/4" above shut down level (As	Left). (DTPG 1-4).		· · · · · · · · · · · · · · · · · · ·	· .	
F-A	F01.40	1RC01BD-B	S.G D	<i>A</i>	NOTE 01	VT-3	NŖI
Rocan	voir Level·	Snubber 2 1/4" above shut down level			· .		
			. · · · · · · · · · · · · · · · · · · ·				٠,
F-A	F01.10	1RC03006S	1RC21AC-8"		NOTE 01	VT-3	NRI
Snubb	er schedu	Snubber led for visual examination only dur	ing A1R14 (Ref. ASME Cod	de Case OM 13)	•		
		-			NOTE 01	\CT 0	NO
F-A	F01.10	1RC17058S Snubber	1RC22AB-1.5"		NOTE 01	VT-3	NRI
Snubb	er schedu	lled for visual examination only dur	ing A1R14 (Ref. ASME Cod	de Case OM 13)			



SYSTEM: Reactor Coolant System (RC)

ectio	ın XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
at.	Item	Description		Requests	Notes	Exam	-
omn	nents						
F-A	F01.10	1RC18034BS	1RC22AC-1.5"		NOTE 01	VT-3	. RI
		Snubber				FT	INFO
3082) was strol	ked through the full travel rang	es was from valve 1RC8042C (Ref ge to verify freedom of movement in y tested (pre-service, baseline test)	the envelope of the	ermal expansi		
NA	NA	1RC19049S	1RC08AD75"		NOTE 01	VT-3	NRI
		Snubber				FT	PASS
nitial	Functional	Test Sample Per ASME OM	Code, ISTD. (DTPG-1-1)				
F-A	F01.10	1RC19054S	1RC22AD-1.5"		NOTE 01	VT-3	NRI
		Snubber				FT	PASS
nitial	Functional	Test Sample Per ASME OM	Code, ISTD. (DTPG-1-1)		*		
NA	NA	1RC19060S	1RC20AD75"		NOTE 01	VT-3	NRI
	•	Snubber					
Snubb	er schedu	led for visual examination onl	y during A1R14 (Ref. ASME Code (Case OM 13)			
- A	F01.10	1RY06017S	1RC24AA-4"		NOTE 01	VT-3	NRI
F-A							
r-A		Snubber				FT	PASS



Braidwood Station Unit 1 A1R14 ISI Outage Report

Section 3.1.5 Detailed Third Interval Inservice Snubber Table

SYSTEM: Residual Heat Removal System (RH)

	n XI Item	ISI Identifier Description	Line Number	Relief Ted Requests No	hnical es	Actual Exam	Results
	nents	Description				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 200
A	F01.10	1RH02002S Snubber	1RH01AB-12"		IOTE 01	VT-3 VT-3	IND NRI
epor cid re orou	t 899611). esidues at igh cleanir	The as found condition re the forward attachement ng of all components and	significant exposure to boric acid residue evealed the following indications: Surface and within the shpherical bearing assem verification of freedom of movement thro surface rust and coating damage noted.	e corrosion on pipe clarr bly. Corrective Actions p ugh rotating the bearing	np, Heavy per W/O ^r I within th	/ accumulation 1224191 incluse end connec	of boric
A	F01.10	1RH02007S	1RH01AB-12"		IOTE 01	VT-3	NRI
itial	Functiona	Snubber I Test Sample Per ASME	OM Code, ISTD. (DTPG-1-2)			FT	PASS
					IOTE 01	VT-3	NRI
-A	F01.10	1RH02047S Snubber	1RH01AA-12"	, , , , , , , , , , , , , , , , , , ,	IOTE 01	FT	
itial	Functional	Snubber I Test Sample Per ASME	1RH01AA-12" OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel 0	net all functional test ac	ceptance	FT criteria but re	MARG esults of
itial rag t	Functiona est in com	Snubber I Test Sample Per ASME	OM Code, ISTD. (DTPG-1-2). Snubber r	net all functional test ac Dutage A1R15. Referen	ceptance	FT criteria but re	MARG esults of
itial ag t	Functiona est in com	Snubber I Test Sample Per ASME pression were marginal. S	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel 0	net all functional test ac Dutage A1R15. Referen	ceptance ce Issue	FT criteria but re Report 90285	MARG esults of 3.
itial rag t	Functiona est in com F01.10	Snubber I Test Sample Per ASME pression were marginal. S 1RH02058S Snubber	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel 0	net all functional test ac Dutage A1R15. Referen	ceptance ce Issue	FT criteria but re Report 90285 VT-3	MARG esults of 3.
itial rag to A iitial	Functiona est in com F01.10	Snubber I Test Sample Per ASME pression were marginal. S 1RH02058S Snubber	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel (1RH01AA-12"	net all functional test ac Dutage A1R15. Referen N	ceptance ce Issue	FT criteria but re Report 90285 VT-3	MARG esults of 3.
itial ag to -A itial	Functiona est in com F01.10 Functiona	Snubber I Test Sample Per ASME pression were marginal. \$ 1RH02058S Snubber I Test Sample Per ASME	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel (1RH01AA-12" OM Code, ISTD. (DTPG-1-2)	net all functional test ac Dutage A1R15. Referen N	ceptance ce Issue IOTE 01	FT criteria but re Report 90285 VT-3 FT	MARG esults of 3. NRI PASS
nitial rag to =-A nitial	Functiona est in com F01.10 Functiona NA	Snubber I Test Sample Per ASME pression were marginal. S 1RH02058S Snubber I Test Sample Per ASME 1RH02208S Snubber	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel (1RH01AA-12" OM Code, ISTD. (DTPG-1-2)	net all functional test ac Dutage A1R15. Referen N	ceptance ce Issue IOTE 01	FT e criteria but re Report 90285 VT-3 FT VT-3	MARG esults of 3. NRI PASS
nitial rag to A nitial NA	Functiona est in com F01.10 Functiona NA	Snubber I Test Sample Per ASME pression were marginal. S 1RH02058S Snubber I Test Sample Per ASME 1RH02208S Snubber	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel of 1RH01AA-12" OM Code, ISTD. (DTPG-1-2) 1RH26AA75"	net all functional test ac Dutage A1R15. Referen N	ceptance ce Issue IOTE 01	FT e criteria but re Report 90285 VT-3 FT VT-3	MARG esults of 3. NRI PASS
nitial rag to A nitial NA	Functiona est in com F01.10 Functiona NA Functiona	Snubber I Test Sample Per ASME pression were marginal. S 1RH02058S Snubber I Test Sample Per ASME 1RH02208S Snubber I Test Sample Per ASME	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel of 1RH01AA-12" OM Code, ISTD. (DTPG-1-2) 1RH26AA75" OM Code, ISTD. (DTPG-1-1)	net all functional test ac Dutage A1R15. Referen N	ceptance ce Issue IOTE 01	FT coriteria but re Report 90285 VT-3 FT VT-3 FT	MARG esults of 3. NRI PASS NRI PASS
rag to	Functiona F01.10 Functiona NA Functiona NA	Snubber I Test Sample Per ASME pression were marginal. S 1RH02058S Snubber I Test Sample Per ASME 1RH02208S Snubber I Test Sample Per ASME 1RH02215S Snubber	OM Code, ISTD. (DTPG-1-2). Snubber r Snubber is to be replaced during Refuel of 1RH01AA-12" OM Code, ISTD. (DTPG-1-2) 1RH26AA75" OM Code, ISTD. (DTPG-1-1)	net all functional test ac Dutage A1R15. Referen N	ceptance ce Issue IOTE 01	FT e criteria but re Report 90285 VT-3 FT VT-3 FT VT-3 FT	MARG esults of 3. NRI PASS NRI PASS
F-A nitial NA nitial NA	Functiona F01.10 Functiona NA Functiona NA	Snubber I Test Sample Per ASME pression were marginal. S 1RH02058S Snubber I Test Sample Per ASME 1RH02208S Snubber I Test Sample Per ASME 1RH02215S Snubber	OM Code, ISTD. (DTPG-1-2). Snubber resolution of the replaced during Refuel of the refuel	net all functional test ac Dutage A1R15. Referen N	ceptance ce Issue IOTE 01	FT e criteria but re Report 90285 VT-3 FT VT-3 FT VT-3 FT	MARG esults of 3. NRI PASS NRI PASS



SYSTEM: Reactor Coolant System (RY)

Section	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comn	nents	Fifther 1	(1) (1) (1) (1) (1) (1) (1) (1) (1) (1)	77.5			(B) (3,44) ²
NA .	NA	1RC92021S	1RY34AB5"		NOTE 01	VT-3	NRI
	•	Snubber	· ·	•		FT	PASS
Initial I	Functional	Test Sample Per ASME	OM Code, ISTD. (DTPG-1-1)				
F-A	F01.10	1RY06118S	1RY01B-6"		NOTE 01	VT-3	NRI
		Snubber		•		FT	PASS
Initial	Functional	Test Sample Per ASME	OM Code, ISTD. (DTPG-1-2)	· · · · · · · · · · · · · · · · · · ·			
F-A	F01.10	1RY09078S	1RY06A-3"	,	NOTE 01	VT-3	NRI
		Snubber				FT	PASS
Initial	Functional	Test Sample Per ASME	OM Code, ISTD. (DTPG-1-2)				



SYSTEM: Steam Generator Blowdown System (SD)

Section	n XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	ltem	Description		Requests	Notes	Exam	
Comm	ents	and the special	THE CONTRACT OF THE CONTRACT O	Act of the contract			
NA	NA	1SD23093S	1SD01CG-2"		NOTE 01	VT-3	NRI
	•	Snubber		•		FT	PASS
Retest	Of A1R1	13 Functional Failure. (DTPG 1-1)				
NA ·	NA	1SD24078S	1SD01CD-2"		NOTE 01	VT-3	NRI
		Snubber					
Snubbe	er sched	uled for visual examina	tion only during A1R14 (Ref. ASME Code Cas	se OM 13)	1.		4



SYSTEM: Safety Injection System (SI)

Section		ISI Identifier	11	Line Number		Relief Reque	Technical sts Notes	Actual Exam	Results
Cat. Comn	ltem nents	Description				neque	513 NOTES	LAGIII	(1) (A) (A) (A) (A) (A) (A) (A) (A) (A) (A
F-A	F01.10	1RH02018S		1SI04D-8"			NOTE 01	· VT-3	NRI
		Snubber				•		FT ·	PASS
Initial I	Functional	Test Sample Per	ASME OM Co	ode, ISTD. (DTPG-1-2)				•	
F-A	F01.10	1RH02079S		1SIA4B-8"			NOTE 01	VT-3	NRI
		Snubber	40115 014 0					FT	PASS
Initial	Functional	Test Sample Per	ASME OM Co	ode, ISTD. (DTPG-1-2)			-	•	
F-A	F01.10	1RH02081S		1SI04B-8"			NOTE 01	VT-3	NRI
Initial	Eunotional	Snubber	A SME OM C	odo JETD (DTDC 1.2)				∴, FT	PASS
		Test Sample Per	ASIVIE OIVI CO	ode, ISTD. (DTPG-1-2)				- 	
F-A	F01.10	1SI01018S		1SI05DA-6"			NOTE 01	VT-3	NRI
Initial	Functional	Snubber Test Sample Per	ASME OM CO	ode, ISTD. (DTPG-1-2)		٠		FT	PASS
	- unotional	- Test oumple Fel						. :	
F-A	F01.10	1SI01020S	•	1SI05DA-6"			NOTE 01	VT-3	NRI
Initial	Functional	Snubber Test Sample Per	r ASME OM Co	ode, ISTD. (DTPG-1-2)				FT	PASS
		· ·				<u> </u>		 	· · · · · · · · · · · · · · · · · · ·
F-A	F01.10	1SI04016S Snubber		1SI05DB-6"		. '	NOTE 01	VT-3 FT	NRI MARG
Initial :	Functional		r ASME OM Co	ode, ISTD. (DTPG-1-2).	Snubber me	et all function	al test acceptance	7.7	
drag to	est in tens	ion were marginal	I. Snubber is to	be replaced during Ref	uel Outage	A1R15. Refe	rence Issue Repo	rt 909809	
F-A	F01.10	1SI04020S		1SI05DB-6"			NOTE 01	VT-3	NRI
		Snubber						FT	PASS
Initial	Functional	Test Sample Per	r ASME OM Co	ode, ISTD. (DTPG-1-2)	·				<u> </u>
F-A	F01.10	1SI16029S		1SI18FC-2"			NOTE 01	VT-3	NRI
	٠	Snubber						FT	PASS
Initial	Functional	Test Sample Per	r ASME OM Co	ode, ISTD. (DTPG-1-1)			1		
NA	NA	1SI16038S		1SI18EC-2"			NOTE 01	VT-3	NRI
	· 	Snubber						FT	PASS
Initial	-unctional	l est Sample Per	r ASME OM Co	ode, ISTD. (DTPG-1-1)					
F-A	F01.10	1SI24012S		1SI08JA-1.5"			NOTE 01	VT-3	NRI
0		Snubber			15 O- I- O	014.40			• • •
Snubb	er schedu	lied for visual exa	mination only o	during A1R14 (Ref. ASM	ı⊨ Code Ca	se OM 13)	,		



SYSTEM: Chemical & Volume Control System (CV)

Secti	ion XI	Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes		
omme	nts		en e en e Ten e	,			
NA	NA	1CV01006S	1CV08BA-4"		NOTE 01	FT (PASS
		Snubber	•	,		VT-3	NRI



SYSTEM: Reactor Coolant System (RC)

Sec	tion XI	Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes	7 (1)	
Comm	ents	事。 2 22	and the second of the second o				
F-A	F01.10	1RC18034BS	1RC22AC-1.5"		NOTE 01	VT-3	RI
		Snubber				FT	INFO
						FT	NRI
		•				VT-3 PMT	NRI

Snubber was examined and replaced due to exposure to borated water and boric acid residues. (Reference Issue Report 901553). The source of the borated water / boric acid residues was from valve 1RC8042C (Reference Issue Report 899611). Replaced Snubber (S.N. 13082) was stroked through the full travel range to verify freedom of movement in the envelope of thermal expansion. The replacement snubber (Serial Number 9627) was functionally tested (pre-service, baseline test) prior to installation.



Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Plant Systems Pressurized During Mode 3 (ZZ)

Sec Cat.		Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comm	ents					
B-P	B15.10	A01ZZ-000005-M04-01A		NOTE 22	VT-2	. NRI
· 		Each Refueling Outage ASME Section XI Pressure Test & Generic Letter 88-05. Class 1 components.		NOTE 23		
С-Н	C07.10	A01ZZ-000078-M04-03A		NOTE 22	VT-2	IND
		Period ASME Section XI Pressure Test. All Class 2 components inside containment. VT-2 visual inspection of components outside Missile Barrier may be performed during Mode 1 if conditions permit.				
Packir	ig leak at	Valve 1RY8078 (IR 909019) and leaking compression fitting on 1IC50	005F, Tube N	-6 (IR 90900	8).	



SYSTEM: Chemical & Volume Control System (CV)

Sec Cat.	tion XI Item	Component ID Description				Relief Requests	Technical Notes	Actual Exam	Results
Comm	ents								
C-H	C07.10	1A-CV-10 F-2-1 (C-H) FLANGED CONNECTION (8 STUDS)						VT-2	NRI
C-H	C07.10	1CV04AA (C-H) 1CV04AA HX (28 STUDS)						VT-2	NRI
C-H :	C07.10	1CV04AB (C-H) 1CV04AB HX (28 STUDS)	·					VT-2	NRI
B-P	B15.10	1CV-06-B1 (B-P) FLANGE BOLTING (4 STUDS)	. '			,		VT-2	NRI
С-Н	C07.10	1CV-10 F-1-1 (C-H) FLANGED CONNECTION (8 STUDS)			•			VT-2	NRI
С-Н	C07.10	1CV-10 F-3-2 (C-H) FLANGED CONNECTION (8 STUDS)						VT-2	NRI
B-P	B15.10	PG-2546C-014 F-2-2 (B-P) FLANGED CONNECTION (4 STUDS)		•				VT-2	NRI
С-Н	C07.10	PG-2546C-022 F-2-3 (C-H) FLANGED CONNECTION (4 STUDS)						VT-2	NRI
С-Н	C07.10	PG-2546C-062 F-2-3 (C-H) FLANGED CONNECTION (4 STUDS)	,					VT-2	NRI
С-Н	C07.10	PG-2546C-069 F-1-2 (C-H) FLANGED CONNECTION (4 STUDS)	•					VT-2	NRI
С-Н	C07.10	PG-2546C-070 F-2-3 (C-H) FLANGED CONNECTION (4 STUDS)		•	,		.:	VT-2	NRI
С-Н	C07.10	PG-2546C-085 F-2-2 (C-H) FLANGED CONNECTION (4 STUDS)						VT-2	NRI
B-P	B15.10	PG-2546C-091 F-2-3 (B-P) FLANGED CONNECTION (4 STUDS)						VT-2	NRI
B-P	B15.10	PG-2546C-101 F-2-3 (B-P) FLANGED CONNECTION (4 STUDS)						VT-2	NRI
C-H	C07.10	PG-2546C-111 F-1-2 (C-H) FLANGED CONNECTION (8 STUDS)						VT-2	NRI



SYSTEM: Pressurizer (PZR)

200.0000 - 100.0000 -	Component ID Description	Relief Requests	Technical Actual Notes Exam	Results
Cat. Item				Line Str
B-P B15.1) 1PZR-01-B1 (B-P)		VT-2	NRI
	MANWAY BOLTING (16 TOTAL)			



SYSTEM: Reactor Coolant System (RC)

Sec Cat.	tion XI Item	Component ID Description		Relief Requests	Technical Notes	Actual Exam	Results
Comm		- W		· In the state of	Andrew State of the Control of the C		
B-P	B15.10	1RC-19-B3 (B-P) FLANGED CONNECTION (4 STUDS)				VT-2	NRI
B-P	B15.10	1RC-20-B1 (B-P) FLANGED CONNECTION (4 STUDS)				VT-2 VT-1	IO NRI
B-P	B15.10	1RC-23-B1 (B-P) FLANGED CONNECTION (4 STUDS)				VT-2	NRI
В-Р	B15.10	1RC-27-B1 (B-P) FLANGED CONNECTION (4 STUDS)				VT-2	NRI
В-Р	B15.10	1RV-03-STUDS (01 TO 54, B-P) CLOSURE HEAD STUDS (54 TOTAL)				VT-2	NRI
B-P	B15.10	1SG-05-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)				VT-2	NRI
B-P	B15.10	1SG-05-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)				VT-2	NRI
B-P	B15.10	1SG-06-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)				VT-2	NRI
B-P	B 15.10	1SG-06-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)				VT-2	NRI
B-P	B15.10	1SG-07-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)				VT-2	NRI
B-P	B15.10	1SG-07-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			٠	VT-2	NRI
B-P	B15.10	1SG-08-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)				VT-2	NRI
B-P	B15.10	1SG-08-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)				VT-2	NRI
-			· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·			



SYSTEM: Residual Heat Removal System (RH)

20000000000000000000000000000000000000	tion XI	Component ID Description		Relief Requests	Technical Notes	Actual Exam	Results
Comm	ents		Contraction		11		
С-Н	C07.10	1A-RH-04 F-1-1 (C-H) FLANGED CONNECTION (24 STUDS)			-	VT-2	NRI
C-H	C07.10	1A-RH-04 F-3 (C-H) FLANGED CONNECTION (12 STUDS)				VT-2	NRI ,

Section 3.2.1 Detailed Second Interval Inservice Inspection Weld / Component Table

SYSTEM: Chemical & Volume Control System (CV)

Sec Cat.	tion XI Item	Component ID Inspection Notes		Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comm	ents		7 (A)						
R-A	R01.20	1CV-21-14 PIPE - ELBOW	1CV08AA-4"	I2R-39	NOTE 4 NOTE 7	100	VOL-E	UT-0 UT-45	NRI .
,									
Seco	nd interva	l examination performed di	uring A1R14.						
R-A	R01.20	1CV-21-15 ELBOW - PIPE	1CV08AA-4"	I2R-39	NOTE 4 NOTE 7	100	VOL-E	UT-0 UT-45	NRI
			٠.						*.
Seco	nd interva	l examination performed du	uring A1R14.		,				
R-A	R01.20	1CV-21-16 PIPE - PIPE	1CV08AA-4"	I2R-39	NOTE 4 NOTE 7	100	VOL-E	UT-0 UT-45	NRI
•									. •
Seco	nd interva	ıl examination performed dı	uring A1R14.						



SYSTEM: Component Cooling System (CC)

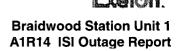
Se Ca	ection XI it. Item	Component ID Inspection Notes	The state of the state of	Relief Requests	Technical Notes	Required Exam	Results
Com	ments	1	53.				195
С-Н	C07.40 C07.80	A01CC-000005-M04-02A	. *	12R-05 12R-13	NOTE17	VT-2	NRI

SYSTEM: Containment Spray System (CS)

-	ection XI t. Item	Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Com	ments					
С-Н	C07.20 C07.40 C07.60 C07.80	A01CS-000005-M04-02A	I2R-05 I2R-13	NOTE13 NOTE17	VT-2	IND.
Leaka 10547	ige noted a	at bolted connection at 1CS057C (reference IR 660009),	bolting was pulled, examine	ed and reinsta	alled under W	O#
C-H	C07.20 C07.40 C07.60 C07.80	A01CS-000005-M04-02B	I2R-05 I2R-13	NOTE13 NOTE17	VT-2	IND.
		oted at body-to-bonnet connection of Valve 1CS009B (re inder WO# 1054785.	ference IR 660013), existin	g bolting was	removed, ex	amined
C-H	C07.20 C07.40 C07.80	A01CS-000005-M04-02C	I2R-05 I2R-13	NOTE13 NOTE17	VT-2	NRI
С-Н	C07.40 C07.80	A01CS-000005-M04-02D	I2R-05 I2R-13	NOTE13 NOTE17	VT-2	NRI
D-Н	C07.40	A01CS-000005-M04-02E	I2R-05	NOTE13	VT-2	NRI

SYSTEM: Chemical & Volume Control System (CV)

Section XI Component ID Cat. Item Inspection Notes	and the second	Relief Technical Requests Notes	Required Exam	Results
Comments		- InderMans		
C-H C07.20 A01CV-000005-M04-02A	uring VT 2 overningtions:	I2R-05 NOTE13 I2R-12 NOTE17 I2R-13	VT-2	IND. IND. IND. NRI NRI NRI
7/31/2007 Exams, non-active/minor packing leaks:	uring V1-2 examinations.	-		
1CV068 (IR 664109), 1CV204 (IR 663848) 1CV065B (IR 663856), 1CV8369A (IR 663859) 1CV8355D (IR 664043), 1CV8355C (IR 664046) 1CV8355A (IR 664050), 1CV8369C (IR 664100) 1CV8355B (IR 664102), 1CV061 (IR 664106) 1CV051D (IR 664110), 1CV8369B (IR 664113) 1CV052D (IR 664139), 1CV063 (IR 664149) 1CV202 (IR 664095), 1SI045 (IR 664146) 1CV037 (IR 664169)				
Minor leakage at 1CV01PB seal was noted (IR 664163)) .		·	
8/1/2007 minor packing leak:				
1CV016A (IR 664182)			e.	
8/6/2007 minor packing leak:				
1CV030 (IR 664154)				. ' ' .
C-H C07.40 A01CV-000005-M04-02B C07.60 C07.80 Minor packing leak on 1CV112B (reference IR 663844)	noted during 7/31/2007 exam.	I2R-05 NOTE13 I2R-12 NOTE17 I2R-13		IO NRI



SYSTEM: Fuel Pool Cooling System (FC)

S	ection XI	Component ID			Relief	Technical	Required	Results
Ca	t. Item	Inspection Notes		2500	Requests	Notes	Exam	
Com	ments			ar William Co.				
					,			
:-Н	C07.30	A01FC-000001-M04-01C			12R-05	NOTE13	VT-2	NRI
	C07.70				12R-12			
	÷		•		I2R-13			
:-Н	C07.30	A01FC-000001-M04-01D			I2R-05	NÖTE13	VT-2	NRI
	C07.70				I2R-12			
					I2R-13			

A1R14 ISI Outage Report

Section 3.2.2 Detailed Second Interval System Pressure Tests

SYSTEM: Process Sampling System (PS)

Se	ection XI	Component ID	18/4/2003	Relief	Technical	Required	Results
Cat	t. Item	Inspection Notes		Requests	Notes	Exam	
comr	ments						
				•			
			•				
H	C07.30	A01PS-000009-M04-01E		I2R-05	NOTE13		NRI
H	C07.30 C07.70	A01PS-000009-M04-01E		I2R-05 I2R-13	NOTE13		NRI

SYSTEM: Residual Heat Removal System (RH)

Sec Cat	ction XI . Item	Component ID Inspection Notes			Relief Requests	Technical Notes	Required Exam	Results
Comn	nents						- 1	1
С-Н	C07.20	A01RH-000005-M04-02A			12R-05	NOTE13	VT-2	10
	C07.40				12R-12	NOTE17		
• •	C07.60				I2R-13		• • •	
	C07.80	×						•
Minor I	eakage no	oted at the following compo	nents:					
	6A (IR 68					* * * * * * * * * * * * * * * * * * *		•
	610 (IR 68 PA Coolin	32407) ig Lines (IR 682405)						
C-H	C07.20	A01RH-000005-M04-02B			I2R-05	NOTE13	VT-2	10
	C07.40				I2R-12	NOTE17	÷	
	C07.60	•	•	٠	I2R-13	**		
	C07.80					-		: .
Minor I	eakage no	oted at 1RH01PB pump sea	I (reference IR 682404).					
C-H	C07.40	A01RH-000005-M04-02D			12R-05	NOTE13	VT-2	NRI
	C07.80				12R-12	NOTE17	1.1	
				<u>. </u>	I2R-13			
С-Н	C07.40	A01RH-000005-M04-02E			I2R-05	NOTE13	VT-2	NRI
	C07.80		•		I2R-12	NOTE17		•
		•	•		I2R-13	* 1		

A1R14 ISI Outage Report

Section 3.2.2 Detailed Second Interval System Pressure Tests

SYSTEM: Safety Injection System (SI)

***************************************	ection XI	Component ID Inspection Notes		Relief Requests	Technical Notes	Required Exam	Results
Ca	nt. Item ments	Inspection Notes	Carlotte Control	nequests	NOTES	EXAIII	14
Com	ments						
	•	•	•				
С-Н	C07.40	A01SI-000005-M04-02G		I2R-05	NOTE13	VT-2	NR
	C07.80			I2R-12	NOTE17		
			·. · · · · · · · · · · · · · · · · · ·	I2R-13			
C-H	C07.20	A01SI-000005-M04-02J		12R-05	NOTE13	VT-2	10
	C07.40	•		I2R-12	NOTE17		
	C07.80			I2R-13			•
			(reference IR 677995), 1SI003A er (IR 678615) and at valve upstre			378058). Mino	r nitrogen
C-H	C07.20	A01SI-000005-M04-02K		12R-05	NOTE13	VT-2	10
	C07.40			I2R-12	NOTE17		
	C07.80			I2R-13			
		eaks noted at Valves 1SI8875B SI Accumulator manway cover	(reference IR 678045), 1SI8934E r (IR 678616).	3 (IR 678044), and	1SI8879B (IR	678015). M ir	or nitrogen
С-Н	C07.20	A01SI-000005-M04-02L		12R-05	NOTE13	VT-2	10
	C07.40			I2R-12	NOTE17		•
	C07.80	· .	•	I2R-13	•	· · · · ·	
			(reference IR 678057), 1SI88780	(IR 678047) 1SI8	879C (IR 678	04.4\	
	obj. Militoi	nitrogen leaks noted at 1C SI A	Accumulator manway cover (IR 67				8877C (IR
C-H	C07.20	nitrogen leaks noted at 1C SI A A01SI-000005-M04-02M	Accumulator manway cover (IR 6				8877C (IR IO
			Accumulator manway cover (IR 6	78617) and Valve 1	SI032C (IR 6	78629).	
	C07.20	A01SI-000005-M04-02M	Accumulator manway cover (IR 6	78617) and Valve 1 I2R-05	SI032C (IR 6. NOTE13	78629).	
С-Н	C07.20 C07.40 C07.80	A01SI-000005-M04-02M	Accumulator manway cover (IR 67	78617) and Valve 1 I2R-05 I2R-12 I2R-13	SI032C (IR 6 NOTE13 NOTE17	78629). VT-2	
С-Н	C07.20 C07.40 C07.80	A01SI-000005-M04-02M		78617) and Valve 1 I2R-05 I2R-12 I2R-13	SI032C (IR 6 NOTE13 NOTE17	78629). VT-2	
C-H Minor	C07.20 C07.40 C07.80 packing le	A01SI-000005-M04-02M eaks noted at Valves 1SI8934D		78617) and Valve 1 I2R-05 I2R-12 I2R-13 O (IR 678050), and	SI032C (IR 6: NOTE13 NOTE17 1SI8879D (IR	78629). VT-2 678012).	10
C-H Minor	C07.20 C07.40 C07.80 packing le	A01SI-000005-M04-02M eaks noted at Valves 1SI8934D		78617) and Valve 1 I2R-05 I2R-12 I2R-13 O (IR 678050), and I2R-05	SI032C (IR 6: NOTE13 NOTE17 1SI8879D (IR NOTE13	78629). VT-2 678012).	Ю
C-H Minor	C07.20 C07.40 C07.80 packing le C07.40 C07.80	A01SI-000005-M04-02M eaks noted at Valves 1SI8934D		78617) and Valve 1 I2R-05 I2R-12 I2R-13 O (IR 678050), and I2R-05 I2R-12	SI032C (IR 6: NOTE13 NOTE17 1SI8879D (IR NOTE13	78629). VT-2 678012).	10
C-H Minor C-H	C07.20 C07.40 C07.80 packing le C07.40 C07.80	A01SI-000005-M04-02M eaks noted at Valves 1SI8934D A01SI-000005-M04-02N		78617) and Valve 1 I2R-05 I2R-12 I2R-13 O (IR 678050), and I2R-05 I2R-12 I2R-13	SI032C (IR 6: NOTE13 NOTE17 1SI8879D (IR NOTE13 NOTE17	VT-2 VT-2 678012). VT-2	IO NRI

SYSTEM: Essential Service Water System (SX)

- S	ection XI nt. Item	Component ID Inspection Notes			Relief Requests	Technical Notes	Required Exam	Results
Com	ments							
				•			• •	
C-H	C07.40	A01SX-000005-M04-02N			12R-05	NOTE17	VT-2	NRI
	C07.80				I2R-13			
С-Н	C07.40	A01SX-000005-M04-02P			I2R-05	NOTE17	VT-2	NRI
	C07.80	·			I2R-13	•		
C-H	C07.40	A01SX-000005-M04-02T			I2R-05	NOTE17	VT-2	NRI
	C07.80	•	·		I2R-13			
C-H	C07.40	A01SX-000005-M04-02U			12R-05	NOTE17	VT-2	NRI
	C07.80				I2R-13			

SYSTEM: Plant Systems Pressurized During Mode 3 (ZZ)

70,700,000,000	ction XI	Component ID Inspection Notes	100				Relief Reques	Technical Notes	Required Exam	Results
200000000000000000000000000000000000000	nents						l			
					•	: .				
									•	
B-P	B15.11	A01ZZ-000005-M04-02A					I2R-05	NOTE13	VT-2	NRI
	B15.21						12R-12	NOTE14		
,	B15.31	•					I2R-13	NOTE17		-
	B15.51						12R-30			
· E	315.61/71						I2R-31			
Remai	ning section	ons of test block not complete	d during A	1R13 ou	tage.					
Ċ-H	C07.10	A01ZZ-000078-M04-03B	• .				I2R-05		VT-2	IND.
	C07.30						I2R-12			•
	C07.70		÷				I2R-13	· · · · · · · · · · · · · · · · · · ·		NRI
Portior 67754		ted 9/29/2007. Substantial ac	cumulation	of mine	ral depo	sit noted or	Line 1AF02	EB-4" on 9/29/	2007, referenc	ce IR
No ind		oted during examination of ma	ain steam,	feedwate	er, and st	eam gener	ator blowdov	vn systems duri	ng 5/30/2008	walk

4.0 Class 2 Main Steam Welded Attachment Indications

During the inservice inspection (magnetic particle examination) of the shear lugs on support 1MS07002C several linear indications were identified on all 4 of the lugs (9 total indications). Five of these indications exceeded the acceptance criteria as delineated in ASME Section XI, 2001 Edition, 2003 Addenda (reference Issue Report 901376). The indications exceeding the applicable acceptance standards of Table IWC-3410-1 required additional engineering evaluation to determine acceptability.

Braidwood Design Engineering and Corporate Engineering (Cantera) reviewed the NDE results and sketches for the identified linear indications. From this report, the indications exceeding the acceptance criteria were located in the lug base metal along the weld toe. These indications run parallel to the weld toe and based on the 0° beam UT examination are running in a plane parallel to the 16" x 4 1/2" surface of the lug. Based on the location and orientation of the indications it was evident that these were not caused by external piping loads, i.e., not service induced. Since this is a vertical riser supported with a riser clamp and shear lugs, the load applied to the clamp / lug is essentially a weight shear load in the pipe axial direction. The stresses decrease from the bearing surface of the lugs to the top (free) surface of the lugs, where more of the indications were found (i.e., the shear approaches "zero" at the top end of the lug just above the weld since this is a free edge). Also any radial stress from the constant support load being eccentrically applied would be compressive as well as going to zero at the top end of lug. The piping pressure stress would tend to put the lug weld and these laminations into compression due the increased rigidity of the lug compared to the piping wall without the lug. The highest stressed area of these lugs would be at the bottom end of the lugs, at the lug/clamp interface. The majority of the indications are not located in this area. These indications are linear and located just above the welds of the lugs to the pipe, in a plane parallel to the pipe axis. This is indicative of a laminar separation caused by the fabrication process of the lug and the weld residual stresses. These lugs are 2.1/2" thick, 4.1/2" wide and 16" long. welded to the pipe with 1 3/8" partial penetration groove welds with 1 3/8" fillet caps along the two 16" lengths and the top 4 1/2" length of the lugs. The welding process for these large welds introduces a significant amount of weld shrinkage stress into the lug itself and large residual stresses acting on the lugs can cause laminar separations that result over time into indications similar to those identified. These lugs also may not have been cut in the optimal orientation, which can make them more susceptible to laminar separation.

As previously described the applied weight load on the lug is parallel to the plane of the indications, therefore the applied load will not cause the indication to grow in a different direction. Also, the weight load variations between hot and cold positions of the piping are very small and would not cause a stress range sufficient to initiate fatigue cracking in the lug or the weld. Other operating stresses, i.e., from pressure loads and through-wall thermal stress gradients due to heat-up and cool-down of the steam lines, are small and occur infrequently with the start-up and shutdown of the Unit (less than ~200 cycles for the life time of the plant) and would not be a cause of fatigue damage to the lug or weld. Since the through wall stress in the lug is insignificant or very small, there is no crack driving force that would cause growth or failure of these laminar flaws, i.e., the mode I stress intensity factor along the crack tip is essentially zero.

As previously stated, all the indications that exceeded the acceptance criteria were located in the lug base metal itself, just above the welds, and oriented parallel with the welds. In the extreme case (not credible), assuming the lugs were to shear off, just above the weld, which would in turn result in a lug that is now only 1 3/8" thick vs. 2 1/2" thick (still 4 1/2" wide by 16" long). This would still be of sufficient size to restrain the load and actually reduce the stresses in the pipe wall since the moment arm from the bearing load point of the clamp to the pipe wall would actually be smaller i.e., reduced integral welded attachment (IWA) stresses. The amount of weld transferring the load from the pipe lugs to the clamp has not decreased. Weld stresses would actually decrease slightly based on the reduced moment arm discussed above. Shear on

Exelon.

Braidwood Station Unit 1 A1R14 ISI Outage Report

the lug would not change since the cross sectional area resisting the shear is the same $(4.5" \times 16" = 72 \text{ sq. inches})$.

The design basis calculation and evaluation for this configuration uses a LF (load factor) = 0.5, which means half of the total load is applied to a single lug. Thus, only 2 of the 4 lugs are assumed to be active for evaluations in this type of lug arrangement.

If the lug were to shear off as described above, the bearing area on the clamp would decrease from approximately 4.5" x 2" = 9 sq. inches to 4.5" x 1 3/8" = 6 sq. inches/lug. The load on the support is approximately 50 kips. The 50 kip load is distributed between 2 lugs, which results in an increase in bearing stress on the clamp/lug interface from 25 / 9 = 2.8 ksi to 25 / 6 = 4.2 ksi, which is very low for bearing stresses. Therefore, even if the lugs sheared off just above the welds, the remaining portions of the lugs would still provide adequate support for the riser clamp to perform its design function for the support with no increase in IWA stresses on the pipe wall. This was an extreme example and not a credible scenario. It should also be noted that only 1 of the 4 lugs had any indications over 0.50".

Conclusions/Findings

Based on the above evaluation, the indications identified were acceptable and the lugs will provide their intended design functions for the restraints. Based on the location and orientation of the indications and on the magnitude and direction of the applied operating loads, these indications will remain stable and will not prevent the lug from performing its intended function of providing weight support for this MS riser pipe. Furthermore the design basis qualification for the lugs requires only 2 of the 4 lugs to satisfy design criteria and the material of the lug above the top of the weld (i.e., radially out from the pipe surface) is not required for functionality or to satisfy design stress limits. Note also that these conclusions are also applicable to the lugs on the sister supports on the 1A, 1B, 1C and 1D MS lines off the generators (subsystems 1MS05, 1MS06, 1MS07 and 1MS08) when reviewing similar lug anomalies.

The formal analyses will be sent under a separate submittal in accordance with IWC-3125(b).

Braidwood Station Unit 1
A1R14 ISI Outage Report

5.0 NIS-1 FORM

As required by IWA-6000 of Section XI, this section contains the Owner's Report for Inservice Inspections, Form NIS-1, for the inservice examination of Class 1 and Class 2 pressure retaining components. Two Form NIS-1 are included, one for the Second ISI Interval which is now completed, and one for the Third ISI Interval.

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

		GC, LLC), 200 Exelon Way e and Address of Owner)	· · · · · · · · · · · · · · · · · · ·	
. Plant <u>Braidwoo</u>		Route 53, Suite 84, Bracev	ille, Illinois 60450	
		ne and Address of Plant)		
B. Plant Unit1	_ 4.0	Owner Certificate of Author	ization (if required)	Not Applicabl
. Commercial Service	ce Date <u>7/29/1988</u>	6. National Board Numb	er for Unit	N-195
. Components Inspe	ected See Section 3 o	of this report for all compone	ents (report is a tota	l of 113 pages).
Component or Appurtenance	Manufacturer Or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
		ecific Class 1 and 2 compor	nent locations exam	ined for the Sec
iterval ISI Program.	e contract of the contract of	2.00		
nterval ISI Program.				

		FORM	NIS-1 (Back)		
8.	Examination Dates:	January 3	, 2008 to June 10,	2009	
9.	Inspection Period Identification:	3 rd Period July 28, 20	•	From July 29, 2005	through
10.	ler to support a limited amount of remaining Inspection Interval Identification:	2 nd Interva	al - From July 29, 1	998 through July 28	, 2009*
* In ord 11.	ler to support a limited amount of remaining Applicable Edition of Section XI		one year has been add ion Addenda[s allowed by IWB-2412(b).
12.	Date/Revision of Inspection Plan:	June 29, 2	2009 / Revision 10	<u>[</u>	
13.	Abstract of Examination and Tests status of work required for the Insp				atement concerning
14.	Abstract of Results of Examination	is and Test	s. <u>See Attached</u>	Sections 2 and 3.	
15.	Abstract of Corrective Measures.		See Attached	Sections 2 and 3.	
Inspe	ertify that a) the statements made in ction Plan as required by the ASME of the ASME Code, Section XI.				
Certi	ificate of Authorization No. (if applica	able) Not	Applicable	Expiration Date	Not Applicable

July 2 20 09 Signed Brendan J. Casey

CERTIFICATE OF INSERVICE INSPECTION

Exelon Nuclear Braidwood Station

Braidwood ISI Program Manager

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 \- 3-03 to \(\omega - \sigma - \circ \Gamma\) 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.

	. hulden	Commissions	NB18756, ILA1085	NIC	
Ins	spector's Signature		National Board, State, Province	e, and Endorseme	ents
Date	7-2.	20 09			

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

2. Plant Braidwoo	od Station, 35100 South Ro	oute 53, Suite 84, Brace	ville, Illinois 60450	
	(Name	and Address of Plant)		
3. Plant Unit 1	_ 4. Ov	wner Certificate of Autho	orization (if required)	Not Applicable
5. Commercial Service	e Date <u>7/29/1988</u>	6. National Board Num	ber for Unit	N-195
7. Components Inspe	cted See Section 3 of	this report for all compo	nents (report is a total	of 113 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
See Sections 3.1 thro for the Third Interval	ough 3.1.8 and associated ISI Program.	tables for specific Class	1 and 2 component	locations examined
See Section 4.0 of re	port for discussion of indic	cations discovered on Cl	ass 2 Main Steam we	lded attachment

			FORM NIS-1 (Back)
	8.	Examination Dates:	July 29, 2008 to June 10, 2009
	9.	Inspection Period Identification:	1 st Period, Third Interval - From July 29, 2008 through July 28, 2011
	10.	Inspection Interval Identification:	2 nd 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:	December 8, 2008 / Revision 0
	13.	Abstract of Examination and Tests status of work required for the Insp	s. Include a list of examinations and tests and a statement concerning pection Plan. See Attached Sections 2 and 3.
	14.	Abstract of Results of Examination	ns and Tests. See Attached Sections 2 and 3.
	15.	Abstract of Corrective Measures.	See Attached Sections 2 and 3.
	Insped		this report are correct, b) the examinations and tests meet the Code, Section XI, and c) corrective measures taken conform to the
	Certi	ficate of Authorization No. (if applica	able) Not Applicable Expiration Date Not Applicable
	Date	July 2 20 09 Sig	gned Exelon Nuclear Braidwood Station
•	Ву	Brendan J. Casey Owner	Braidwood ISI Program Manager
	Ins Ins du the Ow By imp Fu	ne undersigned, holding a valid compectors and the State or Province of the company of Connecticut having the period 1-24-98 to 6-20 Owner has performed examination wher's Report in accordance with the signing this certificate neither the Inspector nor operty damage or a loss of any kind Inspector's Signature	mission issued by the National Board of Boiler and Pressure Vessel Illinois and employed by Hartford Steam Boiler Inspection and we inspected the components described in this Owner's Report and state that to the best of my knowledge and belief, is and tests and taken corrective measures described in this Inspection Plan and as required by the ASME Code, Section XI. Inspector nor his employer makes and warranty, expressed or tests, and corrective measures described in this Owner's Report. This employer shall be liable in any manner for any personal injury or arising from or connected with this inspection. MISTERISE, THE IOSS MIC. National Board, State, Province, and Endorsements
	Do		<u> </u>

Exelon.

Braidwood Station Unit 1 A1R14 ISI Outage Report

Code Category	Code Item Number	Total Number Selected (Interval)	Total Number Examined in A1R14	Current Percentage Completed for Category
B-A	B1.30	1	0	0%
	B1.40	11	0	078
B-B	B2.11	2	1	
	B2.12	2	1	2/5 = 40%
	B2.40	1	0	· · · · · · · · · · · · · · · · · · ·
B-D	B3.110	6	0	
	B3.120	6	0	0%
	B3.140	8	0	
В-К	B10.10	1	1	1/3 = 33%
	B10.20	2	0	
B-N-1	B13.10	1	0	. O .
B-P	B15.10	Every Outage	1	Not Applicable
B-Q	B16.20	Per Technical Specifications	4	Not Applicable
C-A	C1.10	2	0	
	C1.20	2	0	0%
	C1.30	1	0	
С-В	C2.21	5	0	0%
	C2.22	1	0	
C-C	C3.10	1	0	
	C3.20	10	4	5/14 = 35.7%
	C3.30	3	1	
C-H	C7.10	38	0	0%
D-A	D1.10	6	2	
	D1.20	13	4	6/20 = 30%
	D1.30	1	0	
D-B	D2.10	35	0	0%
E-A	E1.11	256	0	0%
	E1.30	1	0	
E-C	E4.11	13	0	0%
F-A	F1.10	199	23	
	F1.20	2 175	33	84/562 = 15%
	F1.30	151	23	U 1 /JUZ — 1J/0
·	F1.40	37	5	
L-A	L1.11	2	0	0%
L-B	L.2.10	965	0	0%
R-A	Butt Welds	186	26	26/186 = 14%
-	Socket Welds	123 Welds Every Outage	123	20/100 - 14/0

Braidwood Station Unit 1 A1R14 ISI Outage Report

6.0 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). A limited scope of IWE inspections was completed during A1R14. 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 A1R14 and thus there are no results to report.

6.1 A1R14 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" and ER-AA-335-018, "Detailed, General Visual, VT-1, VT-1C, VT-3 and VT-3C, Visual Examination of ASME Class MC and CC Containment Surfaces and Components" were used to perform the examinations.

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 directly below the moisture barrier (MB). The most notable type of degradation was liner pitting just below the MB resulting in metal loss of varying depths. The maximum pit depth identified was 8/64".

A separation crack or cut was discovered in twenty locations in the Dymeric portion of the MB between the MB and the trough in front of the liner plate. IWE-3510.4 requires that MB damage/defects that permit intrusion of moisture against inaccessible areas of the liner must be corrected, and all twenty areas were repaired during A1R14.

Extent of condition:

The maximum pit depth measured was 8/64" and was limited to one location based on Detail Visual (VT-1) examinations of the areas inspected. These examinations also indicated that the liner plate contained numerous pits in the areas below MB with pit depth averaging less than or equal to 3/64" and pits with larger depths occurring less frequently. The evaluation performed concluded that this pattern of pitting is typical of the entire liner plate surfaces below the moisture barrier without requiring the removal of the entire MB.

This condition was not observed elsewhere on the liner plate.

Description of the conditions that led to the degradation:

It is evident that degradation of the liner plate below the MB is attributed to corrosion. The liner plate surface below the MB was coated with Carbo Zinc CZ11 in the year 2000,

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Braidwood Station Unit 1 A1R14 ISI Outage Report

which does not tolerate improper surface preparation. This coating product is not recommended for use unless white metal surface condition with 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) when the MB was replaced in 2000, as the Cerefibre was found wet and adhering to the liner, prompting the MB replacement. The liner most likely experienced a slow chronic corrosion rate prior to 2000. After 2000 when MB was opened up, the bulk of the liner corrosion probably occurred in the early years after the MB replacement. It has conservatively been considered that the corrosion rate had a linear progression over the past nine years since 2000. The new Service Level I coating applied in A1R14 was Keeler and Long 9600 Series, which does not require a white metal surface condition prior to application.

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

Since the indications of degradation (pitting) were similar in each area inspected, one engineering evaluation was performed to address all the documented indications since the corrosion leading to the degraded condition is the same contributor affecting the same component (liner plate).

The evaluation determined that sufficient margin exists for the liner plate with the highest identified degraded condition (8/64" at Containment Radius R14) to remain operational and meet its intended design function during the upcoming run cycle until A1R15 where additional examinations are scheduled.

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

In 20 damaged MB areas initially identified, five of the areas exhibited evidence of liner plate degradation exceeding 10% acceptable criteria, prompting additional MB removal adjacent to the degradation. These areas were inspected (VT-1 method), recoated with Service Level 1 coating, and covered with new MB.

In addition to the twenty damaged MB areas initially identified, four additional random locations on the liner plate were selected and were inspected (VT-1 method) below the moisture barrier. The total amount of MB removed during A1R14 was slightly more than 100'. These areas were inspected (VT-1 method), recoated with Service Level 1 coating, and covered with new MB.

The removed MB also allowed additional VT-1 examinations on the liner plate below MB adjacent to all the vertical leak chase channels where the largest degradation were found.

Ultrasonic thickness readings were performed near two areas (including the area having the greatest metal loss), to document actual liner plate thicknesses.

A calculation was completed to assess the acceptability of the liner plate at its thinnest location, which demonstrated that adequate margin exists for operation until A1R15.

The liner surfaces at all the exposed locations where the moisture barrier had been removed were prepared for a new protective Service Level I coating that was applied during A1R14.

Braidwood Station Unit 1 A1R14 ISI Outage Report

A new MB was installed at all areas where existing MB was removed. A post-installation VT-3 examination was performed on entire MB and no cracks were found.

Portions of Class CC liner below MB have been categorized as Category E-C in accordance with IWE-1242 and the ISI schedule.

Proposed Actions for A1R15

Additional examinations are scheduled for the A1R15 refueling outage to inspect the condition of the liner plate at the location with the most metal loss of 8/64" (R14). The remaining areas not inspected during A1R14 are being evaluated for MB removal and visual examination in A1R15.

Conclusions/Findings

The liner plate containing the degraded conditions below the moisture barrier in the Unit 1 containment as identified during A1R14 refueling outage is acceptable and capable of performing its intended design function. In A1R15 one location (R14) with the largest metal loss will be reinspected as an augmented area.

Additionally, the UT results at points for augmented areas are acceptable and will continue to be classified as augmented items and subject to subsequent examinations in A1R15.

Braidwood Station Unit 1 A1R14 ISI Outage Report

7.0 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 (A1R13). 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 Cl	lassification
	· · · · · · · · · · · · · · · · · · ·	Code Class 1	Code Class 2
ΑF	Auxiliary Feedwater	-	2
CV	Chemical & Volume Control	· -	4
CS	Containment Spray	-	1
FW	Main Feedwater	-	1 .
MS-	Main Steam	-	5
RC	Reactor Coolant	5	-
SI	Safety Injection	1*	2
WO	Chilled Water	<u>-</u>	. 1

^{*} Valve is class break between Class 1 and 2, listed as Class 1.

Total NIS-2 Forms 22

Associated NIS-2 Forms and and associated Code Data Report are attached (36 total pages).

1. Own	ner : Exelon Generatio ress: 300 Exelon Way, Ke					5/28/2008 et 1 of 1	•
	nt Name: Braidwood Stati ress: 35100 S. Rte. 53, Su					Order #0107195 air Organization P	
	k Performed By: Braidwo ress: 35100 S. Rte. 53, St				Auth	e Symbol Stamp: orization No.: Nor ration Date: None	ne
4. Iden	tification of System: Auxili	ary Feed Water (AF) (Cla	ass 2 System)		Ехрії	allon Date. None	· ,
(b) A	pplicable Construction Coo pplicable Edition of Section ection XI code Cases used	n XI Utilized for Repairs of					
6. Identifica	tion of Components Repair	red or Replaced and Repl	acement Com	ponents:			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
Spare 4" 900# Class Check Va Assorted Parts	lve Greenwood & Co.	Not Recorded	Not Applicable	Serial Number A1081	Not Recorded	Replaced	Yes
Check Valve Di		Code A547	Not Applicable	Cat ID 20848-1 UTC 2009712	1986	Replacement	Yes (N-2)
Hinge Pin Bushings	Anderson Greenwood Crosby	N97915-35-0016 N97915-36-0017	Not Applicable	Cat ID 20850 UTC 2706617 UTC 2706618	2004	Replacement	No
Hex Screw	Anderson Greenwood Crosby/ Energy Steel	Heat 8898247 Lot Code BL	Not Applicable	Cat ID 21096-1 UTC 2696744	2001	Replacement	No
Slotted Hex No		Heat 681X014 Lot Code ESM2	Not Applicable	Cat ID 21097-1 UTC 2545171	2000	Replacement	No
8. Tests C	•	c Pneumatic Norr Other Pressure N/A	ninal Operating _ psig Test at installs chec	ı Pressure □ Temp. <u>N/A</u> °F k valve. Applicable	• Manufacturer's D	lata Reports (Form	n N-2) and mater
rules of the AS	t the statements made in the SME Code, Section XI. Nendan G. Callower or Owner's Designed	ne report are correct and to ype Code Symbol Stamp SLY ISI Cool	his replaceme : Not Applicat		Authorization No.: _, 20 <i>0 B</i>	Not Applicable	
·							
		4		RVICE INSPECTIO			
and employed to the best of	ned, holding a valid comm by HSBCT of CT have ins my knowledge and belief, ith the requirements of the	pected the components of the Owner has performed	lescribed in thi I examinations	s Owner's Report of	luring the period 1	/11/2008 to 5/28/2	2008, and state th
measures des	s certificate neither the Insp cribed in this Owner's Rep age or a loss of any kind ar	ort. Furthermore, neither	the Inspector	nor his employer sl	implied, concerning all be liable in any	ng the examination y manner for any p	ns and corrective personal injury or
	1 hour			Commissions	IL1085	· · · · · ·	-
Insp	ector's Signature			N	lational Board, Sta	ate, Province, and	Endorsements

1.	Owner : Address: 3	Exelon Generation Co. 300 Exelon Way, Kennett		* *			6/22/2009 et 1 of 1	
2.		: Braidwood Station				Unit	1	
	Address: 3	5100 S. Rte. 53, Suite 84	, Braceville, IL 6040				k Order #01170562-0	
						Repa	air Organization P.O.	, Job No., etc
3.		rmed By: Braidwood Me 5100 S. Rte. 53, Suite 84				Auth	e Code Symbol Stam orization No.: None ration Date: None	p: None
4.	Identificatio	n of System: Auxiliary Fe	eedwater (AF)			LAPI	iation bate. None	
(b) Applicab	le Construction Code: As le Edition of Section XI U KI Code Cases used: No	tilized for Repair/Re				š	
6. J	dentification of 0	Components:						
Name	of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or	ASME Code Stamped
		, manuscus ev		,			Installed	(Yes or No)
	1AF02EB (4"	Not Recorded	Not Recorded	Not	1AF02EB-4"	Not Recorded	Corrected	No
	arbon Steel)	O LIGOT I	11-4-045404	Applicable	O-4 ID 04007 4	0007	installed	NI-
	106 Schedule 8 B Seamless Pip		Heat C45131	Not Applicable	Cat ID 24937-1 UTC 2823520	2007	installed	No
	-234 WPB Long	Tube Forgings of America, Inc/	Heat H535P	Not Applicable	Cat ID 1435000-1	1998	Installed	No
	(2 Total)	USS Tubular Products			UTC 2827761			
3/32" El	R70S-2 Weld Ro	od ESAB	Heat 065727	Not Applicable	Cat ID 8519-1 UTC 2726532	2005	Installed	No
1/8" EF	70S-2 Weld Ro	d ESAB	Heat 065767	Not Applicable	Cat ID 8520-1 UTC 2798921	2007	Installed	No
7 . 8 .	penetrating thre	Nork: Replaced sections ough floor (reference Issu I by radiography and ultraed: Hydrostatic	ie Reports 681140,	683709, 6775) methods.	40, and 794858).	Four in-process w	the outside diameter eld repairs and final f	of pipe inished welds
		Other	☑ Pressure 215	0 psig	Test Temp. <u>76</u>	°F	·	•
9.	Remarks: VT-2	2 completed on 4/18/200	9, all newly installed	pipe/fittings a	nd associated weld	ds were acceptabl	e. Applicable materia	al documentatio
		s, and filler materials use						
					OMPLIANCE			
		ments made in the report				•		
1 7.	p'	tamp: Not Applicable	•			oiration Date: Not	Applicable	* * * * * * * * * * * * * * * * * * *
Signe	d <u>YS ALNS</u> Owner o	r Owner's Designee, Tite	1SI Coor	dinator	Date <u>6/22</u>	_, 2007		•
					·			
	·	· · · · · · · · · · · · · · · · · · ·	199					
			CERTIFICA	TE OF INSE	RVICE INSPECTIO	ON		
and e	mployed by HSI est of my knowle	olding a valid commission BCT of CT have inspecte edge and belief, the Own requirements of the ASM	d the components d er has performed ex	escribed in th	is Owner's Report	during the period	1/5/2009 to 6/22/2009	, and state tha
meas	ures described i	cate neither the Inspector in this Owner's Report. F loss of any kind arising	urthermore, neither	the Inspector	nor his employer s			
1	1.1	(0.	•		0- '			•
-	Inspector's	Signature			Commissions	IL1085 National Board, St	ate, Province, and E	ndorsements

Page 7-3

1.		xelon Generation C Exelon Way, Kenne		48			e 5/12/2009 et 1 of 1	
2.		Braidwood Station I 0 S. Rte. 53, Suite		0407			rk Order #01061116 pair Organization P.C	
3.		ed By: Shaw/Ston 0 S. Essex Road, V		1		Auti	le Symbol Stamp: Noncirction Date: Noncirction	
4.	Identification of	System: Chemica	l and Volume Contr	rol (CV) (Class	2 System)	Exp	iration Date: None	
5 (a) (b) (c)	Applicable E		Utilized for Repairs		nter 1972 Addenda, Nonts: 2001 Edition with		r v	
6. Ide	entification of Com	ponents Repaired						
Name o	of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
. —	Relief Valve CV8123	Not Recorded	N60722 00019	Not Applicable	1CV8123	Unknown	Replaced	Yes
	Crosby Relief Valve	Crosby	N56900-00- 0038	Not Applicable	Cat ID 27260-1 UTC 2746404	1976	Replacement	Yes
9. F		Oth		6 psig Test		ocumentation	for replacement relie	of valve was
We cert	ify that the statem the ASME Code,	nents made in the re Section XI. Type	port are correct an	d this replacem	able Certificate of Au			
Signed	Owner or Ov	<i>n. J. Cust</i> vner's Designee, Tit		SI Coordinator	Date	<u>5/12</u> ,2	0 <u>09</u>	
							<u> </u>	
					· · · · · · · · · · · · · · · · · · ·			<u> </u>
			CERTIFI	CATE OF INSE	RVICE INSPECTION			
and em to the b	ployed by HSBCT est of my knowled	of CT have inspect	ted the components Owner has perform	s described in the ed examination	Boiler and Pressure Voils Owner's Report dur s and taken corrective	ing the period	8/18/2008 to 5/12/2	009, and state that
By signi measur	ng this certificate es described in th	neither the Inspecto	or nor his employer Furthermore, neith	makes any wai er the Inspector	rranty, expressed or im r nor his employer shal ction.	plied, concern I be liable in a	ing the examination ny manner for any p	s and corrective ersonal injury or
	1.1	p						
	Inspector's Sign	nature			Commissions Nat	IL1085 ional Board, S	tate, Province, and	Endorsements
						·		
Date _	5 13 ,20	09	· · · · · · · · · · · · · · · · · · ·					

1. Owner : Exel Address: 300 Ex	on Generation Co., telon Way, Kennett	LLC Square, PA 19348				5/11/2009 t 1 of 1	
	aidwood Station Uni S. Rte. 53, Suite 84,)7			Order #01060843 ir Organization P.	
3. Work Performed Address: 36400	By: Shaw / Stone & S. Essex Road, Wiln	k Webster nington, IL 60481	· ·	•	Auth	e Symbol Stamp: orization No.: Nor ration Date: None	ne
4. Identification of S	ystem: Chemical ar	nd Volume Control	(CV) (Class 2	Portion of System		ation Date. None	
(b) Applicable Edit	struction Code: AS ion of Section XI Uti e Cases used: Non-	lized for Repairs of					
6. Identification of Compo	onents Repaired or I	Replaced and Repl	acement Com	ponents:	,	· · · · · · · · · · · · · · · · · · ·	,
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
ER 316/316L Weld Rod (3/32" Diameter) for Body- to-Bonnet Seal Weld for	Arcos Alloys	Lot CM8256	N/A	Cat ID 8500-1 UTC 2715657	2004	Replacement	No
Valve 1CV8368A							
 Description of Work: was examined in the acceptable per Reports. Tests Conducted: Remarks: Although ascending Mode 3 was not available (no loca attached at the time of the second conduction). 	finished condition b rt A1R14-092. Hydrostatic	y liquid penetrant, in pressure Normal Norma	initially rejected in the initially rejected in Available* g requirement in Test Bouverified to be in the initial in the initial init	d. Surface of weld pressure psig Test Temp. s per IWA-4540(b) ndary A01ZZ-0000	Not Available* (8), a VT-2 examin (78-M04-03A). (*)	d and reinspected F ration was perform Pressure/Tempera	by liquid penetrant, ned during the ature readings are
We certify that the statemer rules of the ASME Code, So	nts made in the repo	ort are correct and t	this replaceme	COMPLIANCE ant conforms to the	Authorization No.	Not Applicable	
Signed Bulndan	a Casus			Date 5/1/	, 20 <i>69</i>	. Not Applicable	
Owner or Own	er's Designee, Atle						
	<u></u>		11.41			······································	·
		·					<u> </u>
		CERTIFICA	ATE OF INSE	RVICE INSPECTIO)N	* * * * * * * * * * * * * * * * * * * *	
the undersigned, holding and employed by HSBCT of to the best of my knowledge accordance with the require By signing this certificate ne measures described in this	of CT have inspected e and belief, the Ow ements of the ASME either the Inspector	the components of the components of the components of the contract of the cont	described in the examinations makes any ware	is Owner's Report and taken correction ranty, expressed of	during the period size measures descriptions of the concerning the	9/24/2008 to 5/11// ribed in this Owne ng the examinatio	2009, and state that er's Report in ons and corrective
property damage or a loss of					aii bo ilable iii di	is mainer for any	personial injury of
I he	Lh			Commissions	IL1085		· · · · · · · · · · · · · · · · · · ·
Inspector's Signat	ture .			·	National Board, St	ate, Province, and	i Endorsements
Date 5-12- , 20 0	5		·		· · · · · · · · · · · · · · · · · · ·		·
			•				

As Required by the Provisions of the ASME Code Section ${\bf XI}$

			Date Shee				on Generation Co., elon Way, Kennett	
Address: 36400 S. Essex Road, Wilmington, IL 60481 Authorization No.: None Expiration Date: None Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 Edition with 2003 Addenda Section XI ocde Cases used: None Section XI ocde Cases used: None Identification of Components Repaired or Replaced and Replacement Components: Name of Component Name of Manufacturer Serial No. Board No. Board No. Cat ID 8500-1 2004 Replacement Dr. Cat ID 8500-1 2004 Replacement UTC 2715657 Section XI Ocde Cases used: None Arcos Alloys Lot CM8256 N/A Cat ID 8500-1 2004 Replacement Dr. Cat ID 8512-1 UTC 2870511 Section XI Ocde Cases used: None Sear Weld for Valve 1CV8348 Arcos Alloys Lot DF7967 N/A Cat ID 8512-1 UTC 2670511 Section XI Ocde Cases used: None Sear Weld Individual Pressure Indi)7			
4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System) 5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Case (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 National Serial No. Board No. ER 316/316L Weld Rod for Body-to-Bonnet Seal Weld For Valve 1CV8348 Arcos Alloys Lot CM8256 N/A Cat 1D 8500-1 2004 Replacement TOTC 2715657 Cat 1D 8512-1 2002 Replacement TOTC 2715657 Cat 1D 8512-1 2002 Replacement TOTC 2715657 Cat 1D 8512-1 2002 Replacement TOTC 2715657 Cat 1D 8512-1 Cat 1D 8512		orization No.: None	Autho					
(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 National Soard No. ER 316/316L Weld Rod for Body-to-Bonnet Seal Weld for Valve 1 CV8348 Arcos Alloys Lot CM8256 N/A Cat ID 8500-1 2004 Replacement Or UTC 2715657 7. Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspect was examined in the finished condition by liquid penetrant, acceptable per Report A1R14-083. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Cotten Pressure Cotten Office In Pressure Internals for Section XI pressure testing requirements per IWA-4540(b)(8). Applicable material certifications for filler met at the time of final review and are maintained on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Surudan Cause Isi Coordinator Date Surudan Cause Isi Coordinator Dat		allon bate. Hone		Portion of System)	(CV) (Class 2	nd Volume Control	ystem: Chemical a	4. Identification of Sy
Name of Component Name of Manufacturer Serial No. ER 316/316L Weld Rod for Body-to-Bonnet Seal Weld for Valve 1CV8348 Arcos Alloys Lot CM8256 N/A Cat ID 8500-1 UTC 2715657 Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspectives was examined in the finished condition by liquid penetrant, acceptable per Report A1R14-083. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Corporation of Final review and are maintained on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Audion Cassar ISI Coordinator Date S/// 20 09						ilized for Repairs o	ion of Section XI Ut	(b) Applicable Editi
Name of Component Name of Manufacturer Serial No. National Board No. ER 316/316L Weld Rod for Body-to-Bonnet Seal Weld for Valve 1CV8348 Arcos Alloys Lot DF7967 N/A Cat ID 8500-1 UTC 2715657 N/A Cat ID 8512-1 UTC 2670511 7. Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspect was examined in the finished condition by liquid penetrant, acceptable per Report A1R14-083. 8. Tests Conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Other ☑ Pressure Not Applicable psig Test Temp. Not Applicable at the time of final review and are maintained on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed August 2 Cassure ISI Coordinator Date 5/// 20.09	<u> </u>			ponents:	acement Com	Replaced and Repl	nents Repaired or	6. Identification of Compo
To Valve 1CV8348 Arcos Alloys Lot DF7967 N/A Cat ID 8512-1 UTC 2715657 The placement of Valve 1CV8348 Arcos Alloys Lot DF7967 N/A Cat ID 8512-1 UTC 2670511 Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspectives examined in the finished condition by liquid penetrant, acceptable per Report A1R14-083. Tests Conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure □ Other ☑ Pressure Not Applicable psig Test Temp. Not Applicable of F Remarks: Exempt from Section XI pressure testing requirements per IWA-4540(b)(8). Applicable material certifications for filler met at the time of final review and are maintained on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Augustus Signed Survival Signed Survival Signed Survival Signed Signe	ASME Code Stamped (Yes or No)	Replaced, or	Year Built					Name of Component
7. Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspec was examined in the finished condition by liquid penetrant, acceptable per Report A1R14-083. 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☑ Pressure Not Applicable psig Test Temp. Not Applicable of final review and are maintained on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Sundar ☐ Casuar ISI Coordinator Date 5/// 20 09	No	Replacement	2004		N/A	Lot CM8256	Arcos Alloys	
was examined in the finished condition by liquid penetrant, acceptable per Report A1R14-083. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not Applicable psig Test Temp. Not Applicable F 9. Remarks: Exempt from Section XI pressure testing requirements per IWA-4540(b)(8). Applicable material certifications for filler met at the time of final review and are maintained on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Section XI. Type Code Symbol Stamp: Not Applicable Signed Section XI. ISI Coordinator Date Section XI. 2009	No	Replacement	2002		N/A	Lot DF7967	Arcos Alloys	· · · · · · · · · · · · · · · · · · ·
was examined in the finished condition by liquid penetrant, acceptable per Report A1R14-083. 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Other ☑ Pressure Not Applicable psig Test Temp. Not Applicable °F 9. Remarks: Exempt from Section XI pressure testing requirements per IWA-4540(b)(8). Applicable material certifications for filler met at the time of final review and are maintained on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed ☐ Namara ☐ Casara ISI Coordinator Date 5/// 120 09								4.5
Signed Brendam O. Cusus ISI Coordinator Date 5/11, 20,09	nai were allacrie	ilications for filter in	able material cert	-4340(<i>b)</i> (<i>b)</i> Applic	· · · · · · · · · · · · · · · · · · ·	ined on file.	iew and are mainta	
Owner or Owner's Designee, Zfile		Not Applicable	Authorization No.:	nt conforms to the	his replaceme	ort are correct and t ode Symbol Stamp	ts made in the repo ction XI. Type C	We certify that the statement rules of the ASME Code, Se
		Not Applicable		nt conforms to the ole Certificate of	his replacement Not Applicab	ode Symbol Stamp	ction XI. Type C J. Casus	rules of the ASME Code, Ser Signed <u>Brendam</u>
		Not Applicable		nt conforms to the ole Certificate of	his replacement Not Applicab	ode Symbol Stamp	ction XI. Type C J. Casus	rules of the ASME Code, Ser Signed <u>Brendam</u>
CERTIFICATE OF INSERVICE INSPECTION		Not Applicable		nt conforms to the ole Certificate of	his replacement Not Applicab	ode Symbol Stamp	ction XI. Type C J. Casus	rules of the ASME Code, Ser Signed <u>Brendam</u>
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Pro and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 5/1/2007 to 5/11/2009, the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Rep accordance with the requirements of the ASME Code, Section XI.		Not Applicable	, 20 <u>0</u> 9	nt conforms to the ole Certificate of /	his replaceme : Not Applicab dinator	ode Symbol Stamp ISI Coor	ction XI. Type C J. Casus	rules of the ASME Code, Ser Signed <u>Brendam</u>
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations at measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any perse property damage or a loss of any kind arising from or connected with this inspection.	, and state that	and the State of P (1/2007 to 5/11/200	, 20 0 9 N Vessel Inspectors uring the period 5	nt conforms to the ole Certificate of Date 5/// Date 5/// IVICE INSPECTION to literand Pressure is Owner's Report delivered to the conformation of the conformation	his replacement: Not Applicable dinator TE OF INSER nat Board of Bescribed in this	CERTIFICA issued by the Natio ithe components derivative experienced experienc	rs Designee, Mile valid commission CT have inspected belief, the Owner	I, the undersigned, holding a and employed by HSBCT of the best of my knowledge and
Commissions IL1085), and state that eport in and corrective	and the State of P /1/2007 to 5/11/200 d in this Owner's F g the examinations	20 <i>0</i> 9 Vessel Inspectors uring the period 5 neasures describe mplied, concemin	Note the conforms to the conformation to the c	his replacement: Not Applicable dinator TE OF INSER nat Board of Bescribed in this aminations and the lospector of the Inspector of the Inspe	CERTIFICA issued by the Natio I the components der has performed ex Code, Section XI. nor his employer murthermore, neither	valid commission CT have inspected belief, the Owner of the ASME ther the Inspector of Owner's Report.	I, the undersigned, holding a and employed by HSBCT of the best of my knowledge an accordance with the requirem. By signing this certificate neimeasures described in this C
Inspector's Signature National Board, State, Province, and End), and state that eport in and corrective	and the State of P /1/2007 to 5/11/200 d in this Owner's F g the examinations	N Vessel Inspectors uring the period 5/ neasures describe mplied, concernin all be liable in any	NOTICE INSPECTION Solid and Pressure of Ward And American America	his replacement: Not Applicable dinator TE OF INSER nat Board of Bescribed in this aminations and the lospector of the Inspector of the Inspe	CERTIFICA issued by the Natio I the components der has performed ex Code, Section XI. nor his employer murthermore, neither	valid commission CT have inspected belief, the Owner of the ASME ther the Inspector of Owner's Report.	I, the undersigned, holding a and employed by HSBCT of the best of my knowledge an accordance with the requirem. By signing this certificate neimeasures described in this C
Date 5 12 20 09	o, and state that eport in and corrective esonal injury or	and the State of P (1/2007 to 5/11/200 d in this Owner's F g the examinations manner for any pe	Vessel Inspectors uring the period 5/neasures describe mplied, concerninall be liable in any	nt conforms to the ole Certificate of a Date S/// NVICE INSPECTION CONTROL Of the conformation of the conformation of the conformation of the conformation of the commissions Commissions	his replacement: Not Applicable dinator TE OF INSERT NATE OF INSPECTOR INSP	CERTIFICA issued by the Natio I the components der has performed ex Code, Section XI. nor his employer murthermore, neither	valid commission CT have inspected to belief, the Owner the Inspector of the ASME there is Report. Further without arising from the comments of the ASME there is Report. Further is Report. Further without arising from the comments of the ASME there is Report. Further is Report.	I, the undersigned, holding a and employed by HSBCT of the best of my knowledge an accordance with the requirem By signing this certificate nei measures described in this C property damage or a loss of

Date 5/28/2008

: Exelon Generation Co., LLC

Address: 300	Exelon way, Kenr	neπ Square, PA 193	48		Snee	eriori	•
	Braidwood Station	Unit 1 84, Braceville, IL 6	0407			COrder #01116347	
3. Work Performe	ed By: Braidwood	Station Mechanical 84, Braceville, IL 6	Maintenance		Code	e Symbol Stamp: I orization No.: Non	None
				C Doubles of Custom	Expi	ration Date: None	
• * .	•	•		2 Portion of System	•		
(b) Applicable E		I Utilized for Repairs		mmer 1975 Addend nts: 1989 Edition wi			
		or Replaced and R					
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)
Line 1CV06A-4" Bolted	Not Recorded	Not Recorded	Not	1CV06A-4"	Not Recorded	Replaced	No
Connections CV-3-F3-1 and			Applicable				
CV-3-F4-2	* * * * * * * * * * * * * * * * * * * *	,				· .	
5/8"-11 Threaded Rod	NOVA Machine	Heat 7404456 Lot 40062896	Not Applicable	Cat ID 571385-1 UTC 2657685	2001	Replacement	No
	Products	Trace Code F440					
5/8"-11 Heavy Hex	NOVA	Heat 7220464	Not	Cat ID 37029-1	2001	Replacement	No
Nuts	Machine Products	Lot 50002892 Trace Code M192	Applicable	UTC 2689561	,		
Remarks: Section maintained on file.	n XI pressure testin			est Temp. <u>N/A</u>		the time of final rev	view and are
We certify that the stater			RTIFICATE OF				
rules of the ASME Code	, Section XI. Typ					: Not Applicable	
Signed Brendan	J. Casus	isi c	cordinator	Date 5/28	_, 20 <i>08</i>	•	
Owner or O	wner's Designee, T	Title .		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			•
	·				·`		
•		CEDTIC	CATE OF INC	EDVICE INCRECTIO			
I, the undersigned, holdi and employed by HSBC to the best of my knowle accordance with the req	T of CT have inspending and belief, the	sion issued by the N ected the component Owner has perform	ational Board of ts described in t led examination	this Owner's Report	e Vessel Inspector during the period	5/22/2008 to 5/28/2	2008, and state th
By signing this certificate measures described in to property damage or a lo	his Owner's Report	t. Furthermore, neiti	her the Inspecto	or nor his employer s			
		÷			1		
1	hulden			Commissions	IL1085		
Inspector's Sig	nature					ate, Province, and	Endorsements
Date 3 - 19 , 20	09						
		····					

1. Owner Address	: Exelon Generation C :: 300 Exelon Way, Kenn					7/2/2009 It 1 of 1	
	ame: Braidwood Station s: 35100 S. Rte. 53, Suite	84, Braceville, IL 604	07		Unit:		0.04
		ı	-			Order #0121608 ir Organization P	
	erformed By: Braidwood s: 35100 S. Rte. 53, Suite				Autho	e Symbol Stamp: orization No.: Nor ration Date: None	ne
4. Identific	ation of System: Contains	nent Spray (CS) (Cla	ss 2)		Ехри	ation Date. None	· · · · · · · · · · · · · · · · · · ·
(b) Appli	cable Construction Code: cable Edition of Section XI on XI Code Cases used: 1	Utilized for Repair/Re					
	of Components Repaired						
Name of Compon	ent Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
34"-10 Double End Stud	led Not Recorded	Not Recorded	Not Applicable	1CS01SB	Not Recorded	Removed	Yes
Replacement %"- Double Ended St		Heat M19576 H8725 Code 725-4	Not Applicable	Cat ID 32401-1 UTC 2791934	2007	Installed	Yes
8. Tests Cond] Pneumatic ☐ Nom er ☐ Pressure	ninal Operating	p Pressure ☐ Exem t Temp°F		ı file.	
We certify that the	e statements made in the rool Stamp: Not Applicable	CERTI eport are correct and Certificate of Author	FICATE OF C this replaceme rization No.: N	OMPLIANCE int conforms to the rule of Applicable	ules of the ASME		
Signed Brus	<i>V</i>		rdinator	Date 7/2	, 20 <u>09</u>		
Own	er or Owner's Designee, Ti	tle	<u> </u>				
		CERTIFICA	ATE OF INSE	RVICE INSPECTION	l .		
and employed by to the best of my	I, holding a valid commissi HSBCT of CT have inspec knowledge and belief, the he requirements of the AS	ted the components of Dwner has performed	described in thi examinations	is Owner's Report dι	uring the period 1	2/24/2008 to 7/2/	2009, and state that
measures describ	rtificate neither the Inspect led in this Owner's Report. or a loss of any kind arisin	Furthermore, neither	the inspector	nor his employer sha			
1	ha Ga	· · · · · · · · · · · · · · · · · · ·		Commissions	IL1085		
Inspecto	or's Signature	· · · · · · · · · · · · · · · · · · ·	·-··			ate, Province, and	Endorsements
Date 7-2-	20 =9						

1. Owner : E Address: 300	xelon Generation C Exelon Way, Kenn	co., LLC ett Square, PA 1934	48			e 6/11/2009 eet 1 of 1	-
	Braidwood Station 0 S. Rte. 53, Suite	Unit 1 84, Braceville, IL 60	0407			rk Order #01085384 pair Organization P.0	
		Mechanical Mainten 84, Braceville, IL 60		ent	Aut	de Symbol Stamp: Non-	
4. Identification of	System: Main Fee	edwater (FW) (Clas	ss 2 System)		· ·	piration Date: None	
(b) Applicable E		Utilized for Repairs		immer 1975 Addenda, ints: 2001 Edition with			
6. Identification of Com							
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)
Bonnet for 16" 900#	Borg Warner	Not Recorded	Not	Valve 1FW079B	Unknown	Replaced	Yes (Valve)
Class Flow Check Valve	Doig Wanter	Not riecorded	Applicable	valve ii vvo/3b	Olikhowii	Періасец	res (valve)
16" 900# Class Valve Bonnet	Flowserve Corporation	Serial Number L203 Heat G4508	Not Applicable	Cat ID 32144-1 UTC 2040056	1999	Replacement	Yes (Form N-2)
	· · ·		•	[, ·		1	·
Remarks: VT-2 ex time of final review	amination complete			Test Temp444.1_cumentation for replace		2 NPT Certificate) w	as attached at th
			· · ·				
We certify that the statem rules of the ASME Code,		eport are correct an	d this replacem		uthorization No	o.: Not Applicable	s. Li
Signed Brenda	ng. Case	1SI Coordina			oate <u>6/11</u>	7.7	
Owner or Ov	vner's Designee, To	Ke .	•			•	
		·	- · · · · · · · · · · · · · · · · · · ·		·	· · ·	
						 	
		CERTIFIC	CATE OF INSI	ERVICE INSPECTION	;		
I, the undersigned, holding and employed by HSBCT to the best of my knowled accordance with the requirement.	of CT have inspectige and belief, the C	ted the components Owner has performe	s described in t ed examination	his Owner's Report du	ring the period	9/29/2008 to 6/11/2	009, and state th
By signing this certificate measures described in the property damage or a los	neither the Inspecti	or nor his employer Furthermore, neith	makes any wa er the Inspecto	or nor his employer sha	nplied, concerr Ill be liable in a	ning the examination any parties and parti	ns and corrective personal injury or
1 1				•		·	÷
- L hui	ш			Commissions	IL1085		
Inspector's Sign	nature				tional Board, S	State, Province, and	Endorsements
						* . *	
Date 6-12-, 20	09						

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR MUCLEAR PART AND APPURTENANCES*

As required by the Provision of the ASME Code Rules, Section III, Div. I

	701 Pivet	Street Wil	liamsport. P	Ä 17701	*
L (a) Massfectured by Flowserve Co	(Name of	et estres el IPT Cares	cate Metern		-
(b) Manufactured for Commonwealth	Edison Co., P.	O. Box 767.	Chicago, II	. 60 69 0	· ·
2. <u>Monatification</u> -Certificate Holder's Serial N		Corolicate Hotoer for ex	.*	N/A	
	,				
(a) Constructed According to Drawing !	Ne86523R/	F Drewing Prepar	Flowser	ve Corp.	
(b) Description of Part Inspected Bo	onnet Assembly	He a	4 G4508	SA 105	
(c) Applicable ASME Code: Section III, E					2 .
			•		
Romets: Spare Part(s) for	16 - 900	* TDC Valve			
Flowserve S.O. and					
	D			C_D/U+ AFOC	. 7 3
NOTE: No Hydrotesting					
Bryon N	NUCLEAR STATION	. Pipe Materi	al: 5A106-E	3/H€. ‡ 26 86 7	2
		•	XXX.	a	
Design informacion on file at	4/15/01 OF DESIGN FOR A	Certificate o	f Authorizacion N		
ertificate of Authorization Expires CERTIFICATION Design informacion on file at Stress applysis report on file at	4/15/01 OF DESIGN FOR A	Certificate o	f Authorizacion No (when applicable	le)	
ertificate of Authorization Expires CERTIFICATION Design informacion on file at Stress applysis report on file at	4/15/01 OF DESIGN FOR A	Certificate o	f Authorizacion No (when applicable	le)	
CERTIFICATION Design informacion on file at	4/15/01 OF DESIGN FOR A	Certificate o	(when applicable)	Reg. No.	
ertificate of Authorization Expires CERTIFICATION Design information on file at Stress spalysis report on file at Design specifications certified by Stress analysis report certified by	4/15/01 OF DESIGN FOR A	Certificate o	(when applicable) (of. Eng. State	Reg. No.	
CERTIFICATION Design information on file at Stress sastysis report on file at Design specifications certified by Stress analysis report certified by I, the undersigned, holding a valid co and/or the State op/Rennicoxol Penni of Boston, Mass. Partial Data Report on 3-1-9-1- and belief, the NPT Certificate Holder has c by signing this certificate, neither d ing the part described in this Part	CERTIFICATE OF Sommission issued by the Sylvania and enterprised this part in a the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the part i	PPURTENANCE Properties of the National Board of the National Board of the part of the par	of. Eng. State of. Eng. State of. Eng. State of. Eng. State of Boiler and Presercial Union of a pressure ver and state that to it SME Code Section warranty, expresse	Reg. No. Reg. No. Reg. No. Reg. No. Insurance (see described in the best of my known the best of my known the best of my known the best of maplied, com	corors Companishis Indee
CERTIFICATION Design information on file at Stress sastysis report on file at Design specifications certified by Stress analysis report certified by 1, the undersigned, holding a valid co and/or the State op/Principle of Pennis of Boston, Mass. Partial Data Report on 3/-97	CERTIFICATE OF Sommission issued by the Sylvania and enterprised this part in a the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the part i	PPURTENANCE Properties of the National Board of the National Board of the part of the par	of. Eng. State of. Eng. State of. Eng. State of. Eng. State of Boiler and Presercial Union of a pressure ver and state that to it SME Code Section warranty, expresse	Reg. No. Reg. No. Reg. No. Reg. No. Insurance (see described in the best of my known the best of my known the best of my known the best of maplied, com	corors Compani chis ledge.
CERTIFICATION Design information on file at Stress analysis report on file at Design specifications certified by Stress analysis report certified by I, the undersigned, holding a valid co and/or the State op/Printment of Boston, Mass. Partial Data Report on and belief, the NPT Certificate Holder has c By signing this certificate, neither d ing the part described in this Par shall be liable in any manner for any p with this inspection.	CERTIFICATE OF Sommission issued by the Sylvania and enterprised this part in a the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the inspector nor his control of the part in the part i	Properties of the National Board of the National Board of the part in a proceed the part in a process of the part in a part in a process of the part in a part in	of. Eng. State of. Eng. State of. Eng. State of. Eng. State of Boiler and Presercial Union of a pressure ver and state that to it SME Code Section warranty, expresse	Reg. NoReg. NoReg. No Bure Vessel Inspection of Insurance (seel described in the best of my know	corors Companients this ledge.

	elon Generation C Exelon Way, Kenn	o., LLC ett Square, PA 193	48		Date Sheet	6/11/2009 1 of 1	
	Braidwood Station OS. Rte. 53, Suite	Unit 1 84, Braceville, IL 6	0407			Order #01213473 r Organization P.C	
	d By: Shaw/Stor OS. Essex Road, V	ne & Webster Wilmington, IL 6048	3 1		Autho	Symbol Stamp: N	lone e
4. Identification of	System: Main Ste	am (MS) (Class 2	System)	•	Expira	tion Date: None	
(b) Applicable E		Utilized for Repairs		Addenda, No Code Cants: 2001 Edition with 2			
	noncote Panaired	or Ponissed and P	onlacement Cor	nnonento:			
6. Identification of Com Name of Component	Name of	Manufacturer	National	Other Identification	Year Built	Repaired,	ASME Code
	Manufacturer	Serial No.	Board No.		<u> </u>	Replaced, or Replacement	Stamped (Yes or No)
6" Safety Relief Valve Main Disc for Safety Relief Valve 1MS014C	Dresser	Not Recorded	Not Applicable	Valve 1MS014C (Serial Number BR09636/ Cat ID 1388672-1)	Unknown (Valve Built in 1977)	Replaced	Yes (Valve)
6" Safety Relief Valve Main Disc	Dresser	ADG33	Not Applicable	Cat ID 16492-1 UTC 2615931	2001	Replacement	No (A/-Z-
							(N-Z Form)
	Oth	ı was not applicable	Not Applicable Applicable de	psig Test Templ coumentation for refurb lances) were attached	ished valve (NV	R-1) and replacen	
We certify that the statem rules of the ASME Code,	ents made in the re Section XI. Type	eport are correct an	RTIFICATE OF (and this replacem	ent conforms to the	thorization No.:	Not Applicable	
Signed Brendan		F ISI Coordin	ator		ate 6/11	_, 20.09	
Owner or Ow	mer s Designee, Tr	ue ·					
		CERTIFI	CATE OF INSE	RVICE INSPECTION			-
I, the undersigned, holdin and employed by HSBCT to the best of my knowled accordance with the requ	of CT have inspec ge and belief, the irements of the AS	on issued by the Na ted the component Owner has perform ME Code, Section	ational Board of is described in the ned examination XI.	Boiler and Pressure Venis Owner's Report dur is and taken corrective	ing the period 3/ measures descr	17/2009 to 6/11/20 ribed in this Owner	009, and state that 's Report in
By signing this certificate measures described in the property damage or a loss	is Owner's Report.	Furthermore, neith	ner the Inspecto	r nor his employer shal	plied, concernin I be liable in any	g the examination manner for any p	s and corrective ersonal injury or
1.	hughele	· · ·		Commissions	IL1085		
Inspector's Sign	ature					te, Province, and	Endorsements
Date 4-1- 20_	09	· · · · · · · · · · · · · · · · · · ·	*400				
		•	•	•			

Or)

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

14	589	4
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1. Work performed by:		gles, LLC vard, Spartanburg, S	Purchase Order # SC 29306	445095	· · · .
2. Work performed for:	Exelon Corporation	, Braidwood Station		i'	·
3/4. Owner - name, add East of IL RT 53, 1		on of nuclear power RT 113 Braidwood I		Braidwood S	Station
5. a: Repaired pressur b: Name of manufa c: Identifying nos.	re relief device: M cturer: Consolidate	ain Steam Safety Val d / Dresser	ve		
	3707R	BR09636	n/a steam	6"	1977
d: Construction Cod	(type) le: Section III (name/section/divi	(mfr's S/N) 1974 ston) (edition)	(NB#) (service) n/a (addenda) (C	(size) n/a ode Cases(s))	(yr.built) 2 (Code Class)
6. ASME Code Section	n XI applicable for in		2001 (edition)	2003 (addenda)	n/a (Code Case(s))
7. ASME Code Section	1 XI used for repairs	, replacements:	2001 (edition)	2003 (addenda)	n/a (Code Case(s))
8. Construction Code	used for repairs, repl	lacements:	1974	n/a	n/a
			(edition)	(addenda)	(Code Case(s))
9. Design responsibilit					
10. Opening pressure:Set-pressure adjust11. Description of wor	stment made at: k (include name and ide		ment parts): Disasse	mbled, inspect	
	disc, lapped nozzle sure and seat tightne	seat and passivated :	seat area, cleaned,	lubricated, asse	embled.
12. Remarks: NWS Tr			DG33. *Under	extension 🗸	
		RTIFICATE OF CO			
I, Cesar V. Sie report are correct and conforms to Section X National Board Certific National Board Certific Y 1/09 NWS	the repair, modifical of the ASME Code cate of Authorization cate of Authorization S Technologies, LL Repair Organization	n and the National Bo No. 632 to us No. 81 to us C Au	of the pressure relievant Inspection Code the "VR" stamp exert the "VR"	f devices describe "VR" and "NR xpires April 3	ibed above
l Observe P Too	i i	ERTIFICATE OF IN		Daned of Daller	
I, Charles F. Toe Vessel Inspectors and by Hartford Steam E or replacement descri this repair, modificatio Code and the Nationa By signing this certific concerning this repair nor my employer shall arising from or conne	d certificate of compositions of CT bed in this report on or replacement had Board Inspection Cate, neither the under, modification or replacement and the liable in any ma	of Hant 8 ARV 30 9 as been completed in Code "VR" and "NR" in ersigned nor my emp lacement described in nner for any persona	jurisdiction of Nor ord, CT have in state that to the bes accordance with S rules. loyer makes any wan this report. Further	th Carolina and spected the report of my knowled section XI of the arranty, express formore, neither	nd employed pair, modification dge and belief, of the ASME sed or implied, the undersigned
4/8/09 Qate 4	January January Vinspector's	eseloh	NB # 8462, A, N Commissions (NB (in		

145894

CORRECTED

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

71193

Pg. 1 of

HSB-ANII

	n of installation Commony		(1	name and e	ddress)		:	10 10 01	<u></u>
уре		(Inconel X-750)		N.			N/A	200	<u></u>
	(drawing no.)	(mat'l spec. no.)		(tensile s	strength)	•	CRN)	(year	
SME	Code Section III, Division 1:	1974 (edition)		one da data)		2		N/A	
ahrica	ated in accordance with Cons		(addar N/A	ida date)	Revision	(class) N/A		(Code Cas	38 N 8/A
(JD110)	NOL III GOODI GENOLOGO INIDI GONI		(no)					>ato ————————————————————————————————————	<u> </u>
Remari	ks: Sensi Numbers Are U	sed in Lieu Of NPT Stampin	g.			**.			
									
Сопе	cted Location Of Installation,	Name And Address.							
						٠.		• •,	
Jom t	hickness (in.) NA Min.	design thickness (in)	WA Dia.	ID / A &	in.) N/A	Length	miomil i	(ft. & in.)	N
	applicable, Certificate Holder		d for each	itam of th	is report:	_ Longur	Overan	, 10. 01 111.)	_
*110.1	apphoable, octalioate : loide	o pala Hopala dio alta di	4 .O. OLG.	itoiii oi u	на горогс			•	
									
	Part or Appurtenance	National	[[·	Part	or Appurtena	nce		National	
	Serial Number	Board No.			Serial Number			Board No.	•
		in Numerical Order						umerical Or	dei
		• .				- 1			4 01
(1)	ADG11	·	(26)						
(2)	ADG12		(27)						
(3)	ADG13	<u> </u>	(28)						_
(4)	ADG14 70V		(29)						
(5)	ADG15	·	(30)				 		
(6)	ADG16		(31)				····	······································	
.(7)	ADG17		(32)						
(8)	ADG18		(33)				····		
(8)	ADG19 ADG20		(35)						
(10) (11)	ADG21		(36)						
(12)	ADG24		(37)						
(13)	ADG25		(38)						
(14)	ADG27		(39)		· · · · · · · · · · · · · · · · · · ·				
(15)	ADG29		(40)		·				
(16)	ADG30	 	(41)						_
(17)	ADG32		(42)						<u> </u>
(18)	ADG33	 	(43)		····				
	ADG34		(44)						
(19) (20)	ADG35		(45)						
(21)	ADG36	 	(46)	· 					
	ADG37	 	(47)						
		 	T 1						
(22)	ADG40	 	(48)						<u> </u>
(23)	Alixida		_ (''')						
	ADG44 ADG47		(50)			1			

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FORM N-2 (Back — Pg. 2 of _____)

	Certificate Holder's Serial Nos.	ADG11 THRU A 32, 33, 34, 35, 3		nd ADG24, nd 40, 44, 4	25, 27, 29, 30 7
	CERTIFICATION OF DESIG	N			
Design specifications certifled by	N/A (when applicable)	P.E. State	N/A	Reg. No.	N/A_
Design report* certified by	N/A (when applicable)	_ P.E. State _	N/A	Reg. No.	N/A
	CERTIFICATE OF COMPLIANCE	E			
We certify that the statements made in this report conforms to the rules of construction of the ASM	rt are correct and that this (these) IE Code, Section III, Division 1.	Disc			
NPT Certificate of Authorization No.	N-2434	Expires	5	/20/2004	
Date 7-31-01 Name	SEE LINE 1 S	igned Va	(Boa	representative)	
	CERTIFICATE OF INSPECT				
I, the undersigned, holding a valid commission i	1 by H. S. B. I. & I. Co.	,			
of HARTEORD, CT. have inspects best of my knowledge and belief, the Certificate III, Division 1. Each part listed has been authorible by signing this certificate, neither the inspector in this Data Report. Furthermore, neither the inspector loss of any kind arising from or connected with	zed for stamping on the date shown abor nor his employer makes any warranty, et spector nor his employer shall be liable in	ourtenances in acc ve. opressed or implied	i, concerning	the ASME Co	t described
Date State Signed (Author)	rized Nuclear Inspector) Commission			66 4 nte) and state or p	prov. and no.)

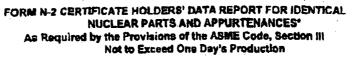
Address: 300 Exelon Way, Kennett Square, PA 19348 Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Work Performed By: Shaw / Stone & Webster Address: 36400 S. Essex Road, Wilmington, IL 60481 Sheet 1 of 1 Work Order #01213471-01 Repair Organization P.O., Job No., etc Code Symbol Stamp: None Authorization No.: None Expiration Date: None	•							
Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rite, SS, Suite 84, Braceville, IL 60407 Work Performed By: Shaw / Slone & Webster Address: 35400 S. Essex Road, Wilmington, IL 60481 Identification of System: Main Steam (MS) (Class 2 System) Identification of System: Main Steam (MS) (Class 2 System) (a) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases (b) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases (c) Section XI code Cases used: None (d) Applicable Construction Code: ASME Section XI Utilized frepairs or Replacements: 2001 Edition with 2003 Addenda (c) Section XI code Cases used: None (d) Applicable Components Manufacturer M								
Address: 35100 S. Rite. 53, Suite 44, Braceville, IL 60407 Repair Organization P.O., Job No., etc. Work Performed By: Shaw, Ystone & Webster Address: 36400 S. Essex Road, Willimitgton, IL 60481 Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases (a) Applicable Edition of Scoton IX Utilized for Repairs or Replacements: 2001 Edition with 2003 Addenda (b) Section XI code Cases used: None Identification of Components Repaired or Replaced and Replacement Components: Jame of Component Name of Manufacturer Serial No. Serial No. Other Identification Per Built Replaced, Stamped (b) Replaced on Replaced and Replacement Components: Jame of Component Name of Manufacturer Serial No. Serial No. Other Identification Per Built Replaced, Stamped (b) Replaced, or Replaced, or Replaced and Replaced In Replaced In No. Applicable (Serial Number BR09647/ Cart II) (Valve Multiple Number BR09647/ Cart II) (Valve Built In 1977), 1386683-1) Safety Relief Valve Multiple Number ADE65 Not Cat ID 1387627-1 2001 Replacement No. Applicable UTC 2663786 UTC 2663786 Safety Relief Valve Diresser ADE65 Not Cat ID 1387627-1 2001 Replacement No. (Form No. Applicable Serial Number ADE65) Provided by Exeion. Valve was reinstalted back to same position. Personal Pressure Not Applicable Pressure Modern Pressure Modern Defension of Valve Valve Not Applicable Pressure Not Applicable Certificate Holders' Data Report for Identical Nuclear Parts and Appurtenances) were attached at the time of Innal review and is on file. CERTIFICATE OF INSERVICE INSERVICE INSPECTION Internal Pressure Verson Inspector on the State of Province of Internal Pressure Verson Inspector on the State of Province of International Pressure Verson Inspector on the Province of Intem	Address: 300	Exelon Way, Kenne	ett Square, PA 1934	48		Sheet	1 of 1	
Address: 35100 S. Rite. 53, Suite 44, Braceville, IL 60407 Repair Organization P.O., Job No., etc. Work Performed By: Shaw, Ystone & Webster Address: 36400 S. Essex Road, Willimitgton, IL 60481 Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases (a) Applicable Edition of Scoton IX Utilized for Repairs or Replacements: 2001 Edition with 2003 Addenda (b) Section XI code Cases used: None Identification of Components Repaired or Replaced and Replacement Components: Jame of Component Name of Manufacturer Serial No. Serial No. Other Identification Per Built Replaced, Stamped (b) Replaced on Replaced and Replacement Components: Jame of Component Name of Manufacturer Serial No. Serial No. Other Identification Per Built Replaced, Stamped (b) Replaced, or Replaced, or Replaced and Replaced In Replaced In No. Applicable (Serial Number BR09647/ Cart II) (Valve Multiple Number BR09647/ Cart II) (Valve Built In 1977), 1386683-1) Safety Relief Valve Multiple Number ADE65 Not Cat ID 1387627-1 2001 Replacement No. Applicable UTC 2663786 UTC 2663786 Safety Relief Valve Diresser ADE65 Not Cat ID 1387627-1 2001 Replacement No. (Form No. Applicable Serial Number ADE65) Provided by Exeion. Valve was reinstalted back to same position. Personal Pressure Not Applicable Pressure Modern Pressure Modern Defension of Valve Valve Not Applicable Pressure Not Applicable Certificate Holders' Data Report for Identical Nuclear Parts and Appurtenances) were attached at the time of Innal review and is on file. CERTIFICATE OF INSERVICE INSERVICE INSPECTION Internal Pressure Verson Inspector on the State of Province of Internal Pressure Verson Inspector on the State of Province of International Pressure Verson Inspector on the Province of Intem	2. Plant Name:	Braidwood Station L	Jnit 1			Work	Order #01213471	-01
Address: 38400 S. Essex Road, Wilmington, IL 60481 Identification of System: Main Steam (MS) (Class 2 System) (a) Applicable Construction Code: ASMS Section III 1974 Edition, No Addenda, No Code Cases (b) Applicable Construction Code: ASMS Section III 1974 Edition, No Addenda, No Code Cases (c) Section XI code Cases used: None (dentification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Manufacturer Serial No. Board No. Pressure Not Recorded Not Valve IMS017B Unknown Replaced. Or Stamped (Ye Replaced Not Not) Safety Relief Valve Dresser Not Recorded Not Valve IMS017B Serial Number BR09647/ Cart ID In 1977) Safety Relief Valve Mission M				0407				
Address: 38400 S. Essex Road, Wilmington, IL 60481 Identification of System: Main Steam (MS) (Class 2 System) (a) Applicable Construction Code: ASMS Section III 1974 Edition, No Addenda, No Code Cases (b) Applicable Construction Code: ASMS Section III 1974 Edition, No Addenda, No Code Cases (c) Section XI code Cases used: None (dentification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Manufacturer Serial No. Board No. Pressure Not Recorded Not Valve IMS017B Unknown Replaced. Or Stamped (Ye Replaced Not Not) Safety Relief Valve Dresser Not Recorded Not Valve IMS017B Serial Number BR09647/ Cart ID In 1977) Safety Relief Valve Mission M	Mort Dorform	d Bur Show/Ston	o 8 Wobstor			Codo	: Cumbal Stamp: N	lone
Expiration Date: None				1				
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(ic) Section X local Cases used: None Identification of Components Repaired or Replaced and Replacement Components: Identification of Components Repaired or Replaced and Replacement Components: Identification of Component Name of Manufacturer National Other Identification Year Built Replaced, or Replaced, or No!	. Identification o	System: Main Stea	am (MS) (Class 2	System)				
(e) Section XI code Cases used: None Identification of Components Repaired or Replaced and Replacement Components: Jame of Component Image of Manufacturer Serial No. Serial Number Replaced, or Replaced, or Not Replaced, or Not Not Replaced, or Not Not Replaced, or Not Not Not Not Serial Number B. Serial Number ADE65 Not Cat ID 1387627-1 UTC 2663786 Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00445095. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE65) provided by Exelon. Valve was reinstalled back to same position. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure D. Other Pressure Not Applicable psig Test Temp. Not Applicable "F Remarks: Section XI pressure testing was not applicable. Applicable documentation for refurbished valve (NVR-1) and replacement disc (N-2 Certificate Holders' Data Report for Identical Nuclear Parts and Appurtenances) were attached at the time of final review and is on file. CERTIFICATE OF COMPLIANCE Ve certify that the statements made in the report are correct and this replacement conforms to the ules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Designed Hydrostation Pressure Vessel Inspectors and the State of Province of and employed by HSBCT of CT have inspected the component								
Identification of Components Repaired or Replaced and Replacement Components: Alame of Component Name of Manufacturer Manufacturer National Other Identification Year Built Repaired, Replaced, or Stamped (Year National)				s or Replaceme	nts: 2001 Edition with 2	2003 Addenda		
Asme of Component Name of Manufacturer National Board No. Other Identification Year Built Replaced, Replaced, or Stamped (Year Replacement Serial No. Safety Relief Valve Applicable Safety Relief Valve Dresser Not Recorded Not Applicable (Serial Number BR09647/ Cat ID 1388663-1) In 1977) Replaced Yes (Valve) Safety Relief Valve IMS017B Unknown Replaced Yes (Valve) Safety Relief Valve Ims017B Unknown Safety Relief Valve Ims017B Unk	(c) Section XI C	oue Cases used. IV						
Safety Relief Valve Dresser Not Recorded Not Applicable Safety Relief Valve Dresser ADE65 Not Safety Relief Valve Dresser ADE65 Not Applicable Cat ID 1387627-1 2001 Replacement Not Cat ID 1387627-1 UTC 2663766 Dresser Not Cat ID 1387627-1 Dresser Not Applicable Dresser ADE65 Not Applicable Dresser ADE65 Not Applicable Dresser ADE65 Not Applicable Dresser Not Certificate on and refurbishment under PO #00445095. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE65) provided by Exelon. Valve was reinstalled back to same position. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not Applicable Pressure Pressure Other Pressure Not Applicable Pressure Dresser Not N						· .		
"Safety Relief Valve Misor Dresser Not Recorded Applicable (Serial Number BR09647/ Cet ID 138663-1) In 1977) "Safety Relief Valve 1MS017B "Safety Relief Valve Dresser ADE65 Not Applicable UTC 2663786 UTC 2663	lame of Component				Other Identification	Year Built		
*Safety Relief Valve Main Disc for Safety elief Valve Main Disc for Safety elief Valve 1MS017B (Sarial Number BR09847) Cast ID 1388663-1) *Safety Relief Valve Main Disc *Safety Relief Valve Dresser ADE65 Not Applicable UTC 2663786 2001 Replacement No Main Disc *Safety Relief Valve Main Disc *Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00445095. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE65) provided by Exelon. Valve was reinstalled back to same position. *Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not Applicable Pre		iviariulacturei	Serial No.	Board No.				
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BR09647/Cat ID 138863-1) "Safety Relief Valve Main Disc Dresser ADE65 Not Applicable UTC 2663766 UTC 266376 UT		Dresser	Not Recorded				Replaced	Yes (Valve)
"Safety Relief Valve Main Disc Dresser ADE65 Not Applicable Cat ID 1387627-1 2001 Replacement No Form Applicable UTC 2663786 UTC 2663786 UTC 2663786 Power Interest Power			'	Applicable	(Serial Number			
"Safety Relief Valve Main Disc Dresser ADE65 Not Applicable UTC 2663786 UTC 266378 UTC 2663786 UTC 266378 UTC 2663	eller valve 11vi5017b			ĺ		111 (9//)		
Main Disc Applicable UTC 2663786 (Form N-2) Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00445095. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE65) provided by Exelon. Valve was reinstalled back to same position. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not Applicable psig Test Temp. Not Applicable *F Remarks: Section XI pressure testing was not applicable. Applicable documentation for refurbished valve (NVR-1) and replacement disc (N-2 Certificate Holders' Data Report for Identical Nuclear Parts and Appurtenances) were attached at the time of final review and is on file. **CERTIFICATE OF COMPLIANCE** Ve certify that the statements made in the report are correct and this replacement conforms to the lates of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable identification of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable identification of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable identification of the Asme Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable identification of the Asme Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Date Code Notes of the Asme Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Date Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Date Code, Section XI. Type Code Symbol Stamp Notes Page Value Code, Section XI. Type Code Symbol Stamp Notes Page Value Code, Section XI. Type Code Symbol Stamp Notes Page Value Code, Section XI. Type Code Symbol Stamp Notes Page Value Code, Section XI. Type Code Notes Page								
Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00445095. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE65) provided by Exelon. Valve was reinstalled back to same position. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Content Pressure Not Applicable Pressure Not Applicable Pressure Pressure Not Applicable Not Applicable Not Applicable Pressure Not Applicable Not Pressure Not Not Applicable Pressure Not Not Applicable Pressure Not Not Not Not Applicable Pressure Not		Dresser	ADE65			2001	Replacement	No
Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00445095. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE65) provided by Exelon. Valve was reinstalled back to same position. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not Applicable Occumentation for refurbished valve (NVR-1) and replacement disc (N-2 Certificate Holders' Data Report for Identical Nuclear Parts and Appurtenances) were attached at the time of final review and is on file. CERTIFICATE OF COMPLIANCE Ve certify that the statements made in the report are correct and this replacement conforms to the less of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable England Pressure Vessel Inspectors and the State of Province of Noner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION In 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 3/17/2009 to 6/11/2009, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in coordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer shall be liable in any manner for any personal injury or roperty damage or a loss of any kind arising from or connected with this inspection. Commissions LL1085	Main Disc			Applicable	010 2663786		1	(FORM
Technologies replaced existing main disc of valve with disc (Serial Number ADE65) provided by Exelon. Valve was reinstalled back to same position. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure Not Applicable psig Test Temp. Not Applicable °F Remarks: Section XI pressure testing was not applicable. Applicable documentation for refurbished valve (NVR-1) and replacement disc (N-2 Certificate Holders' Data Report for Identical Nuclear Parts and Appurtenances) were attached at the time of final review and is on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the alles of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable igned William States of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable igned William States of Province of Nowner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of not employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 3/17/2009 to 6/11/2009, and state to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in coordance with the requirements of the ASME Code, Section XI. The signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury croperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085								
CERTIFICATE OF COMPLIANCE Ve certify that the statements made in the report are correct and this replacement conforms to the ules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Liver Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Date Liver Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Authorization No.: Not Applicable Signed Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Date Liver Symbol Sym	Technologies repla position.	aced existing main d	isc of valve with dis	sc (Serial Numl ominal Operation	oer ADE65) provided by ng Pressure ⊠	Exelon. Valve	was reinstalled ba	5095. NWS ick to same
Ve certify that the statements made in the report are correct and this replacement conforms to the ules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Certificate of Authorization No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Certificate of Authorization No.: Not Applicable Signed Certificate Of Authorization No.: Not Applicable Of Office O	Technologies repla position. Tests Conducted: Remarks: Section	Aced existing main d Hydrostatic Othe XI pressure testing	isc of valve with dis Pneumatic Pressure was not applicable	sc (Serial Numl ominal Operation Not Applicable Applicable de	oer ADE65) provided by ng Pressure psig Test Temp locumentation for refurb	Not Applicable	was reinstalled ba °F R-1) and replacen	nck to same
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FORM NVR-1 REPORT OF REPAIR Z REPLACEMENT Z OF NUCLEAR PRESSURE RELIEF DEVICES

1. Work performed by:		gles, LLC vard, Spartanburg, S	Purchase Order SC 29306	# 445095	
2. Work performed for:	Exelon Corporation	, Braidwood Station			
3/4. Owner - name, add East of IL RT 53, 1		on of nuclear power (RT 113 Braidwood II		rp Braidwood S	Station
 a: Repaired pressur b: Name of manufact c: Identifying nos. 		ain Steam Safety Val d / Dresser	ve		
	3707R	BR09647	n/a steam	6"	1977
d: Construction Cod		(mfr's S/N) 1974	(NB#) (service	n/a	(yr.built)
	(name/section/divi	sion) (edition)	(addenda) (Code Cases(s))	(Code Class)
6. ASME Code Section	XI applicable for in	service inspection:	2001	2003_	n/a
7. ASME Code Section	XI used for renairs	renlacements	(edition) 2001	(addenda) 2003	(Code Case(s)) n/a
7. ASME COUR Section	. At used for repairs	, replacements.	(edition)	(addenda)	(Code Case(s))
8. Construction Code u	used for repairs, repl	lacements:	1974	n/a	n/a
		•	(edition)	(addenda)	(Code Case(s))
9. Design responsibiliti	es: <u>n/a</u>			·	
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12. (10.112) (10.1110)		RTIFICATE OF CO			
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POOR QUALITY ORIGINAL

^{*} Supplemental information in the form of 8sts. Stratches, or drawings may be used provided (1) size is 8-1/2 x 11. (2) information in items 2 and 3 on this Date Report is included on each sheet; (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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POOR QUALITY ORIGIN,

	kelon Generation C Evelon Way, Kenn	o., LLC ett Square, PA 1934	18		Date Sheet	6/11/2009	
Address. 300	Exelon Way, Neilin	ell Square, FA 195	10		Sileet	1011	
	Braidwood Station I					Order #01213472	
Address: 3510	0 S. Rte. 53, Suite	84, Braceville, IL 60	0407		Repai	r Organization P.C	D., Job No., etc
	d By: Shaw/Ston 0 S. Essex Road, V	e & Webster Vilmington, IL 6048	1			Symbol Stamp: Nrization No.: None	
	•				Expira	tion Date: None	
4. Identification of	System: Main Ste	am (MS) (Class 2	System)				
(b) Applicable E		Utilized for Repairs		Addenda, No Code Cants: 2001 Edition with			
• •							
Identification of Com Name of Component	Name of	or Replaced and Re Manufacturer	eplacement Cor National	nponents: Other Identification	Year Built	Popoired	ASME Code
name of Component	Manufacturer	Serial No.	Board No.	Other Identification	real built	Repaired, Replaced, or Replacement	Stamped (Yes
6" Safety Relief Valve Main Disc for Safety	Dresser	Not Recorded	Not Applicable	Valve 1MS015C (Serial Number	Unknown (Valve Built	Replaced	Yes (Valve)
Relief Valve 1MS015C			Applicable	BR09640/: Cat ID	in 1977)		
				1388667-1)	'		
2" Cofoty Dollas Value	Dresser	ACZ87	Not	Cat ID 1387627-1	1999	Donlacomort	No
6" Safety Relief Valve Main Disc	Dresser	AC267	Applicable	UTC 2780096	1999	Replacement	
	٠						(Form N-2)
					<u> </u>	<u> </u>	
	XI pressure testing	was not applicable	. Applicable de	psig Test Temp ocumentation for refurb	oished valve (NV	R-1) and replacen	
Certificate Holders'	Data Report for Ide	entical Nuclear Part	s and Appurter	nances) were attached	at the time of fin	al review and is or	1 file.
We certify that the statem rules of the ASME Code,		eport are correct an		ent conforms to the	ithorization No.	Not Applicable	
//	<i>^</i>	* -		able Certificate of Au			
Signed Brenday	vner's Designee, Th	7 ICI OCOIGINE	ator	D	ate <u>6/11</u>	_, 20 <u><i>&</i></u> 7	
. Owner or Ow	where Designee, In					,	
							<u></u>
A also consultative to the second			•	RVICE INSPECTION			Succession and the second
I, the undersigned, holdin and employed by HSBCT to the best of my knowled	of CT have inspectige and belief, the	ted the components Owner has perform	s described in the ed examination	nis Owner's Report dur	ing the period 3/	17/2009 to 6/11/2	009, and state th
accordance with the requ By signing this certificate	neither the Inspect	or nor his employer	makes any wa				
measures described in th property damage or a los					ll be liable in any	manner for any p	ersonal injury or
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Inspector's Sign		 		Commissions	IL1085	te, Province, and I	Endorsements
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Date (6-12- , 20)	09						
Date, 20_6							······································

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

145894

1. Work performed by: NWS Techi 131 Venture B	n ologies, LLC loulevard, Spartanburg, S	Purchase Order C 29306	# 445095	· · · · · · · · · · · · · · · · · · ·
2. Work performed for: Exelon Corpor	ration, Braidwood Station			
3/4. Owner - name, address and ident East of IL RT 53, 1-1/2 Miles Sout			rp Braidwood S	Station
 5. a: Repaired pressure relief device: b: Name of manufacturer: Consol c: Identifying nos. 		ve		
3707R	BR09640 V	n/a stean		1977
(type) d: Construction Code: Section III	(mfr's S/N) 1974	(NB#) (service	n/a	(yr.built) 2
(name/section	on/division) (edition)	(addenda) ((Code Cases(s))	(Code Class)
6. ASME Code Section XI applicable 1	for inservice inspection:	2001	2003	n/a
7. ASME Code Section XI used for re	pairs, replacements:	(edition) 2001	(addenda) 2003	(Code Case(s)) n/a
8. Construction Code used for repairs	•	(edition)	(addenda) n/a	(Code Case(s))
	, , , , , , , , , , , , , , , , , , , ,	(edition)	(addenda)	(Code Case(s))
9. Design responsibilities: n/a				
 10. Opening pressure: 1205 psig Set-pressure adjustment made at 11. Description of work (Include name a preoxidized X750 disc, lapped no lubricated, assembled. Certified s 	nd identifying number of replace	ment parts): <u>Disass</u> rea, replaced spl	ndle (CEAR 09-3	
12. Remarks: NWS Traveler # 09-104	I. Replacement disc s/n A	CZ87. * Unde	er extension	
I, Cesar V. Slerra certify report are correct and the repair, mode conforms to Section XI of the ASME National Board Certificate of Authoriz National Board Certificate of Authoriz National Board Certificate of Authoriz NWS Technologies Repair Organiza	Code and the National Boation No. 632 to use ation No. 81 to use s, LLC	wledge and belief f the pressure reli	lef devices describe "VR" and "NR expires April 3 expires April 5	bed above
	CERTIFICATE OF INS	PECTION		
Vessel Inspectors and certificate of comparison of the self-self inspectors and certificate of comparison of the self-self-self-self-self-self-self-self-	ompetency issued by the of Hartford on <u>RAPRIL</u> 2009 and so that has been completed in the Code "VR" and "NR" rundersigned nor my employ replacement described by manner for any personal	urisdiction of Noord, CT have tate that to the be accordance with ules. oyer makes any on this report. Furthinjury, property descriptions.	orth Carolina are inspected the repest of my knowled Section XI of the warranty, express hermore, neither damage or loss of	nd employed pair, modification dge and belief, of the ASME sed or implied, the undersigned f any kind
Date AMINATA	ctor s Signature	NB # 8462, A, Commissions (NB (N, I NC# 1073 (incl endorsements).	

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POOR QUALITY ORIGINAL

	ion Generation Co. celon Way, Kennett	, LLC Square, PA 19348		· .		5/6/2009 t 1 of 1	:
2. Plant Name: Br	aidwood Station Ur	cia d	<i>:</i> ,		Mark	Order #01226434	L-01
		II. I I, Braceville, IL 6040	77 - 70			ir Organization P.	
	By: Shaw/Stone S. Essex Road, W	& Webster /ilmington IL 60481	·		Autho	Symbol Stamp: Norization No.: Non	
4. Identification of S	vstem: Main Stear	n (MS) Class 2 syst	em	a e e e e e e e e e e e e e e e e e e e	Expir	ation Date: None	
5 (a) Applicable Cor	struction Code: A	SME Section III 197	4 Edition, Sum	mer 1975 Addenda,	Code Cases: No	one	
(b) Applicable Edit		tilized for Repairs o		s: 2001 Edition with			
						•	
6. Identification of Compo		Replaced and Rep	acement Com	ponents:		Popular I	ASME Code
Name of Component	Name of Manufacturer	Manufacturer	National	Other	Year Built	Repaired, Replaced, or	Stamped (Yes
Name of Component	Mandiacturer	Serial No.	Board No.	Identification	Tour Built	Replacement	or No)
	,				:		<u> </u>
Welded Attachment Lugs	Not Recorded	None	Not	1MS06007S	Not	Modified	No
for Component Support		٠.	Applicable		Recorded		
1MS06007S					, ,		
3/32" E7018 Electrode	ESAB	Heat163978	Not	Cat ID 8491-1	2008	Replacement	No
		Lot 2L705C01	Applicable	UTC 2807647			
		Control				÷ .	
		MMM035					
was completed upon 8. Tests Conducted:	•	Pneumatic Non	ninal Operating	Pressure ☐ sig Test Temp. <u>No</u>	ot Applicable °F		
	Otilei	Plessure <u>Not</u>	hppiicable p	sig Test TellipINC	ot Applicable 1		
Remarks: VT-3 examples and are maintenance.		was performed after	er reinstallation	. Applicable materi	al certifications w	vere attached at th	e time of final
		CEDTI	EICATE OF C	OMBLIANCE			
We certify that the statement rules of the ASME Code, S		ort are correct and		nt conforms to the;	Authorization No.:	Not Applicable	:
Signed Brendan		,		Date 5/6	. 20 09	Not Applicable	
	ers Designee, Title		rdinator	Date _3/6	, 20 <u>07</u>		
			<u> </u>				
				•			
		CERTIFIC	ATE OF INSER	RVICE INSPECTION	N.		
I, the undersigned, holding and employed by HSBCT of the best of my knowledge a accordance with the require	of CT have inspected and belief, the Own	ed the components of er has performed ex	described in thi caminations an	s Owner's Report di	uring the period 4	/11/2009 to 5/6/20	009, and state that to
By signing this certificate no measures described in this	either the Inspector Owner's Report. F	nor his employer m urthermore, neither	nakes any warr the Inspector	nor his employer sh			
property damage or a loss	oi any kina arising	ITOIN OF CONNECTED V	viin this inspec	uon.			٠.
1 L hu	lu			Commissions	IL1085		
Inspector's Signat	ture	· · · · · · · · · · · · · · · · · · ·				ate, Province, and	Endorsements
				•			
Date 5-7- ,200	9	•		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	. •	

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	on Generation Co. elon Way, Kennet	., LLC t Square, PA 19348				5/6/2009 t 1 of 1	
	aidwood Station Ui S. Rte. 53, Suite 84	nit 1 4, Braceville, IL 604	07			Order #01226435 ir Organization P.	
	By: Shaw / Stone S. Essex Road, V	& Webster Vilmington IL 60481			Autho	Symbol Stamp: I orization No.: Nor ation Date: None	
4. Identification of S	ystem: Main Stear	m (MS) Class 2 syst	tem		Expir	ation Date: None	
(b) Applicable Edit		Itilized for Repairs o		mer 1975 Addenda, s: 2001 Edition with		one	
6. Identification of Compo	onents Repaired or	Replaced and Rep	lacement Com	ponents:			
,	Name of					Repaired,	ASME Code
Name of Component	Manufacturer	Manufacturer	National	Other	Year Built	Replaced, or	Stamped (Yes
		Serial No.	Board No.	Identification		Replacement	or No)
Velded Attachment Lugs	Not Recorded	None	. Not	1MS05002C	Not	Modified	No
for Component Support		÷ .	Applicable		Recorded		
1MS05002C							
3/32" E7018 Electrode	ESAB	Heat163978	Not	Cat ID 8491-1	2008	Replacement	No
		Lot 2L705C01	Applicable	UTC 2807647		.1	
		Control			•		e.
•		MMM035	·		,	;	
7. Description of Work: 389887. Shims were was completed upon	fabricated from 3/ final installation of	8" thick bar stock (0 shims on 4/14/2009	Cat ID 514291-1 9.	I, UTC 2804471 / He			
389887. Shims were	fabricated from 3/final installation of	8" thick bar stock (0 shims on 4/14/2009 Pneumatic ☐ Nor	Cat ID 514291-1 9. minal Operating	I, UTC 2804471 / He Pressure □	eat JC9892). A p		
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389887. Shims were was completed upon 3. Tests Conducted: 3. Remarks: VT-3 exan review and are maint We certify that the statemer ules of the ASME Code, Signature of t	fabricated from 3/ final installation of Hydrostatic Other nination of support ained on file.	8" thick bar stock (0 shims on 4/14/2009 Pneumatic ☐ Non r ☐ Pressure Not was performed aft CERT cort are correct and Code Symbol Stamp	Cat ID 514291-199. minal Operating Applicable p er reinstallation IFICATE OF Cathis replaceme p: Not Applicable	Pressure Sig Test Temp. No Applicable materia OMPLIANCE ont conforms to the colle Certificate of A	eat JC9892). A part of the state of the stat	vere attached at th	VT-3 examinatio
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389887. Shims were was completed upon 3. Tests Conducted: 3. Remarks: VT-3 exan review and are maint We certify that the statemerules of the ASME Code, Signed Signed Support Owner or Owner Own	fabricated from 3/ final installation of Hydrostatic Other Other Initiation of support ained on file. Ints made in the repection XI. Type of the support ained on file of the support ained on file. The support ained on the repection XI. Type of the support ained on file o	8" thick bar stock (C shims on 4/14/2009 Pneumatic Non Non Pressure Not Was performed aft CERT Cort are correct and Code Symbol Stamp ISI Code CERTIFIC In issued by the National Stamp of the components of the performed e	Cat ID 514291-199. minal Operating Applicable per reinstallation IFICATE OF Centric this replacement per Not Application ATE OF INSERTIONAL PROPERTIES OF CONTRACT OF INSERTIONAL BOARD OF Education of Educations and Institute of Institute of Institute of Inserting of Educations and Institute of Inserting of Insert	Pressure sig Test Temp. No Applicable materia OMPLIANCE nt conforms to the ole Certificate of A Date RVICE INSPECTION Soiler and Pressure Vs Owner's Report du	t Applicable °F al certifications v uthorization No 2009	vere attached at the Not Applicable and the State of /11/2009 to 5/6/20	VT-3 examination be time of final Province of IL 1009, and state the
389887. Shims were was completed upon 3. Tests Conducted: 9. Remarks: VT-3 example and are maint We certify that the statemer rules of the ASME Code, So Signed Bull Owner or Owner	fabricated from 3/ final installation of Hydrostatic Other Other Initiation of support ained on file. Ints made in the repection XI. Type of Type of the Assertion of the Inspection Owner's Report.	8" thick bar stock (C shims on 4/14/2009 Pneumatic Non r Pressure Not was performed aft CERT cort are correct and Code Sil Code CERTIFIC n issued by the Natised the components er has performed e E Code, Section XI r nor his employer n Furthermore, neithe	Cat ID 514291-199. minal Operating Applicable pure reinstallation IFICATE OF Cathis replacements in the properties of	Pressure Sig Test Temp. No Sig Test Temp. No Applicable materia OMPLIANCE Int conforms to the cole Certificate of A Date Solider and Pressure Sig Owner's Report du d taken corrective manty, expressed or in	t Applicable °F t Applicable °F al certifications v uthorization No.: 2009 Vessel Inspectors uring the period 4 easures describe	vere attached at the Not Applicable is and the State of 1/11/2009 to 5/6/20ed in this Owner's and the examination	VT-3 examination be time of final Province of IL 109, and state the Report in The stand corrective in the stand corrective
389887. Shims were was completed upon 3. Tests Conducted: 3. Remarks: VT-3 example review and are maint We certify that the statemer rules of the ASME Code, Some statement of the ASME Code, Some statement of the Market Signed Some statement of	fabricated from 3/ final installation of Hydrostatic Other Other Initiation of support ained on file. Ints made in the repection XI. Type of Type of the Assertion of the Inspection Owner's Report.	8" thick bar stock (C shims on 4/14/2009 Pneumatic Non r Pressure Not was performed aft CERT cort are correct and Code Sil Code CERTIFIC n issued by the Natised the components er has performed e E Code, Section XI r nor his employer n Furthermore, neithe	Cat ID 514291-199. minal Operating Applicable pure reinstallation IFICATE OF Cathis replacements in the properties of	Pressure Sig Test Temp. No Sig Test Temp. No Applicable materia OMPLIANCE Int conforms to the cole Certificate of A Date Solider and Pressure Sig Owner's Report du d taken corrective manty, expressed or in	t Applicable °F t Applicable °F al certifications v uthorization No.: 2009 Vessel Inspectors uring the period 4 easures describe	vere attached at the Not Applicable is and the State of 1/11/2009 to 5/6/20ed in this Owner's and the examination	Province of IL 1009, and state the Report in the sand correctives.
389887. Shims were was completed upon 3. Tests Conducted: 3. Remarks: VT-3 example review and are mainted with the statement of the ASME Code, Statement of the ASME Code	fabricated from 3/ final installation of Hydrostatic Other Other Initiation of support ained on file. Type of the support of the support ained on file. Type of the support of the support a valid commission of the support of any kind arising	8" thick bar stock (C shims on 4/14/2009 Pneumatic Non r Pressure Not was performed aft CERT cort are correct and Code Sil Code CERTIFIC n issued by the Natised the components er has performed e E Code, Section XI r nor his employer n Furthermore, neithe	Cat ID 514291-199. minal Operating Applicable pure reinstallation IFICATE OF Cathis replacements in the properties of	Pressure Sig Test Temp. No. Applicable material MPLIANCE Int conforms to the ole Certificate of A Date Solution and Pressure of Solution and Pressure of the december of the conforms of the ole certificate of the ole certificate of A Boiler and Pressure of the conforms of the corrective manty, expressed or in or his employer shatton. Commissions Commissions	t Applicable °F Al certifications v uthorization No.: , 20_9 Vessel Inspectors ring the period 4 easures describe mplied, concerning the liable in an IL1085	were attached at the Not Applicable s and the State of 1/11/2009 to 5/6/20ed in this Owner's ang the examination y manner for any	Province of IL 009, and state th Report in one and corrective personal injury corrective
389887. Shims were was completed upon 3. Tests Conducted: 3. Remarks: VT-3 example and example and example and example and employed by HSBCT of the best of my knowledge a accordance with the require and sy signing this certificate measures described in this	fabricated from 3/ final installation of Hydrostatic Other Other Initiation of support ained on file. Type of the support of the support ained on file. Type of the support of the support a valid commission of the support of any kind arising	8" thick bar stock (C shims on 4/14/2009 Pneumatic Non r Pressure Not was performed aft CERT cort are correct and Code Sil Code CERTIFIC n issued by the Natised the components er has performed e E Code, Section XI r nor his employer n Furthermore, neithe	Cat ID 514291-199. minal Operating Applicable pure reinstallation IFICATE OF Cathis replacements in the properties of	Pressure Sig Test Temp. No. Applicable material MPLIANCE Int conforms to the ole Certificate of A Date Solution and Pressure of Solution and Pressure of the december of the conforms of the ole certificate of the ole certificate of A Boiler and Pressure of the conforms of the corrective manty, expressed or in or his employer shatton. Commissions Commissions	t Applicable °F Al certifications v uthorization No.: , 20_9 Vessel Inspectors ring the period 4 easures describe mplied, concerning the liable in an IL1085	vere attached at the Not Applicable is and the State of 1/11/2009 to 5/6/20ed in this Owner's and the examination	Province of IL 009, and state th Report in as and correctives

1. Owner : Address: 30	Exelon Generation 00 Exelon Way, Ke	i Co., LLC nnett Square, PA 19348	3		Date 5	5/14/2009 1 of 1	
			·			• • • • • • • • • • • • • • • • • • • •	
	Braidwood Statio 100 S. Rte. 53, Sui	on Unit 1 te 84, Braceville, IL 604	107			Order #01067695 Organization P.C	
Address: 35	100 S. Rte. 53, Sui	I Mechanical Maintenar te 84, Braceville, IL 604	107		Author	Symbol Stamp: N ization No.: None tion Date: None	
 Identification 	of System: React	or Coolant (RC) (Class	1 System)				
		e: ASME Section III 19	71/(Valve)/ 197	4 (Pipe) Edition, Winter	1972 (Valve)/S	Summer 1975 (Pip	e) Addenda, No
			or Replacemen	ts: 2001 Edition with 20	03 Addenda		
	_						4
6. Identification of C Name of Component	omponents Repaire Name of	ed or Replaced and Rep Manufacturer	National	ponents: Other Identification	Year Built	Repaired,	ASME Code
Name of Component	Manufacturer	Serial No.	Board No.	Cire identification	Teal built	Replaced, or Replacement	Stamped (Yes or No)
Kerotest 1.5" 1500#	Kerotest	Not Recorded	Not-	1RC8042C	Not	Replaced	Yes
Manual Valve and associated pipe		·	Recorded	Line 1RC22AC-1 ½"	Recorded		. :
1 ½" Manual Globe Valve	BW / IP International	Valve Serial Number EZ935-3-4	Not Applicable	Cat ID 36308-1 UTC 2637823	1998	Replacement	Yes
1 ½" Seamless Pipe	Sandvik Materials Technology	Heat 510310	Not Applicable	Cat ID 41105-1 UTC 2793196	2006	Replacement	Yes
1/8" Diameter ER308/308L Bare Wire	Arcos Industries, LLC	Lot/Alloy DF7995	Not Applicable	Cat ID 8513-1 UTC 2702660	2003	Replacement	Yes
3/32" Diameter FR308/308L Bare Wire	Arcos Industries, LLC	Lot CT8816 Heat 735857	Not Applicable	Cat ID 8497-1 UTC 2702660	2008	Replacement	Yes
8. Tests Conducte			2236.5 psig	Test Temp. <u>552.1</u> °F		· · · · · · · · · · · · · · · · · · ·	
				llance (Test Block A01Z ted material certifications			
We certify that the stat		CER e report are correct and tope Code Symbol Stam	this replaceme		orization No	Not Applicable	
Signed Brend			Coordinator		14 ,20		*.
Owner or	Owner's Designee,	Title IS	Cooldinator	Date	<u>- /</u>	-1-	
	J		٠.		•	• •	
		CERTIFIC	ATE OF INSE	RVICE INSPECTION			
and employed by HSB to the best of my know	CT of CT have insp ledge and belief, th	ssion issued by the Nati	ional Board of I described in th dexaminations	Boiler and Pressure Ves is Owner's Report during and taken corrective me	the period 3/	31/2009 to 5/14/20	009, and state tha
measures described in	this Owner's Repo		r the Inspector	ranty, expressed or impl nor his employer shall b tion.			
1 1 1	m. Can			Commissions	IL1085	,	
Inspector's S	ignature		· · · · · · · · · · · · · · · · · · ·			e, Province, and I	Endorsements
	06						
Date 5 15 , 2	0.09	·	Page 7-25				

	xelon Generation Co., Exelon Way, Kennett					6/11/2009 t 1 of 1	
	Braidwood Station Un 00 S. Rte. 53, Suite 84		07			Order #01078773 ir Organization P.	
	ed By: Shaw / Stone & 00 S. Essex Road, Will			·.	Autho	Symbol Stamp: I orization No.: Nor ation Date: None	ie ·
4. Identification of	f System: Reactor Co	olant/Steam Gener	rator (Class 1	Portion of Vessel)	Ехри	alion Date. None	
(b) Applicable E	Construction Code: AS Edition of Section XI Ut Code Cases used: Nor	ilized for Repairs of					· · .
6. Identification of Con	nponents Repaired or	Replaced and Rep	lacement Com	ponents:			
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)
1A Steam Generator Primary Manway Cover (Cold Leg, Bolt #15)	Not Recorded	Stamped with "B7 EMO1 338 2"	Not Applicable	1RC01BA Cold Leg Bolt #15	Not Recorded	Replaced	No
Primary Manway Hex Head Closure Bolt	Babcock & Wilcox/	Heat Code DVD Lot 35395014	Not Applicable	Cat ID 47398-1 UTC 2622541 RIN A98-00289	1997	Replacement	No
(2" Diameter)	NOVA Machine Products Corp.				'		
	Other XI pressure testing is tage identified. Applica	not required. Con	nection was vis		r leakage during a	scending Mode 3	
We certify that the staten rules of the ASME Code, Signed Prendam Owner or Or	Section XI. Type C	ort are correct and ode Symbol Stamp	o: Not Applicat	ent conforms to the ble Certificate of	Authorization No.:	Not Applicable	
-	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·	· .		· · · · · · · · · · · · · · · · · · ·
		CERTIFIC	ATE OF INSER	RVICE INSPECTIO	ON :		
I, the undersigned, holding and employed by HSBC to the best of my knowled accordance with the requirements.	T of CT have inspected dge and belief, the Ow uirements of the ASME	d the components on the components of the compon	described in thi examinations	is Owner's Report of and taken correction	during the period 9 ve measures desc	0/29/2008 to 6/11/2 ribed in this Owne	2009, and state that r's Report in
measures described in the property damage or a los	nis Owner's Report. Fi	urthermore, neithei	the inspector	nor his employer s			
1	-ce	••		Commissions	JL1085		
Inspector's Sign	nature				National Board, Sta	ate, Province, and	Endorsements
Date 6-12- ,20	09				<u> </u>	· · · · · · · · · · · · · · · · · · ·	
			**				, , ,

1.		xelon Generation Co., Exelon Way, Kennett					e 6/23/2009 et 1 of 1	
2.		Braidwood Station	Proposillo II 6041	07		Unit	: <u>1</u> .	eret in the second
	Address: 3510	00 S. Rte. 53, Suite 84	, braceville, iL 6040	υ γ ,			k Order #01073205 air Organization P.	
3.		ed By: Westinghouse I		n :.	:		e Code Symbol Sta	
4.		System: Reactor Co		ator			iration Date: None	
5 (a)		Construction Code: AS Edition of Section XI Ut						: . :
(c)		code Cases used: Nor		splacement. 2	DOT Edition Will 20	OO Addenda		
6. Ide	entification of Com	ponents Repaired or	Replaced and Rep	acement Com	ponents:		· · · · · · · · · · · · · · · · · · ·	· .
Name o	of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or	ASME Code Stamped (Yes
•					BACAL	369	Installed	or No)
	am Generator Tubes	Babcock & Wilcox	Unknown	Not Applicable	1RC01BA	Not Recorded	Corrected	No (Tubes)
	n Hot Leg and g End of Tube	Westinghouse Electric Corporation/	Heat NX9982HK Serial Numbers	Not Applicable	Cat ID 1033239-1 UTC 2827733	1997	Installed	No
;Row 89	9, Column 30	Inco Alloys	(Hot Leg)		010 2021133			•
		International	9T658					
			(Cold Leg) 9T659	:				
	•							
7. D	escription of Wor	k: Mechanically plugg	jed steam generato	or tubes in the	1B steam generato	or based on eddy	current test results.	
	description of Wor	k: Mechanically plugg Hydrostatic ☐ f	* *		1B steam generato Pressure ☐ Exer		current test results.	
	•	Hydrostatic 🔲 f	Pneumatic 🔲 Nom	ninal Operating		mpt 🔲		
8. T	ests Conducted:	Hydrostatic ☐ f	Pneumatic Nom Pressure Not	ninal Operating	Pressure ☐ Exer _ psig Test Temp	mpt [] Not Required	<u>-</u> ° F ,	
8. T	ests Conducted:	Hydrostatic ☐ f Other XI pressure testing is	Pneumatic Nom Pressure Not	ninal Operating	Pressure ☐ Exer _ psig Test Temp	mpt [] Not Required	<u>-</u> ° F ,	
9. R	ests Conducted: lemarks: Section nd is maintained	Hydrostatic	Pneumatic Nom Pressure Not not applicable. Ap	ninal Operating t Required plicable mater	Pressure Exer psig Test Temp ial documentation f	mpt [] Not Required	<u>-</u> ° F ,	
9. F a We cert rules of	ests Conducted: lemarks: Section nd is maintained ify that the statem the ASME Code,	Hydrostatic	Pneumatic Nom Pressure Not not applicable. Ap CERTI ort are correct and tode Symbol Stamp	ninal Operating t Required plicable mater FICATE OF C this replaceme to Not Application	Pressure Exer psig Test Temp ial documentation f OMPLIANCE nt conforms to the one Certificate of	mpt □ . Not Required for tube plugs wa Authorization No	<u>-</u> ° F ,	
9. Fr	ests Conducted: lemarks: Section nd is maintained lify that the statem the ASME Code,	Hydrostatic	Pneumatic Nom Pressure Not not applicable. Ap CERTI	ninal Operating t Required plicable mater FICATE OF C this replaceme to Not Application	pressure Exer psig Test Temp ial documentation f OMPLIANCE nt conforms to the	mpt ☐	_ °F s attached at the tir	
9. Fra	ests Conducted: lemarks: Section nd is maintained lify that the statem the ASME Code,	Hydrostatic Souther All pressure testing is on file. The report of the	Pneumatic Nom Pressure Not not applicable. Ap CERTI ort are correct and tode Symbol Stamp	ninal Operating t Required plicable mater FICATE OF C this replaceme to Not Application	Pressure Exer psig Test Temp ial documentation f OMPLIANCE nt conforms to the one Certificate of	mpt □ . Not Required for tube plugs wa Authorization No	_ °F s attached at the tir	
9. Ra We cert	ests Conducted: lemarks: Section nd is maintained lify that the statem the ASME Code,	Hydrostatic Souther All pressure testing is on file. The report of the	Pneumatic Nom Pressure Not not applicable. Ap CERTI ort are correct and tode Symbol Stamp	ninal Operating t Required plicable mater FICATE OF C this replaceme to Not Application	Pressure Exer psig Test Temp ial documentation f OMPLIANCE nt conforms to the one Certificate of	mpt □ . Not Required for tube plugs wa Authorization No	_ °F s attached at the tir	
9. Ra We cert	ests Conducted: lemarks: Section nd is maintained lify that the statem the ASME Code,	Hydrostatic Souther All pressure testing is on file. The report of the	Pneumatic Nom Pressure Not Pressure Not not applicable. Ap CERTI ort are correct and toode Symbol Stamp ISI Coor	ninal Operating t Required plicable mater FICATE OF C this replaceme : Not Applicat rdinator	Pressure Exer psig Test Temp ial documentation f OMPLIANCE nt conforms to the one Certificate of	mpt ☐ Not Required for tube plugs wa Authorization No _, 20_9	_ °F s attached at the tir	
9. R a We cert rules of Signed I, the ur and em to the b	lemarks: Section and is maintained of the ASME Code, Owner or Over the ASME of the ASME Code, Owner or Over the ASME of the AS	All pressure testing is on file. XI pressure testing is on file. The ments made in the report of CLASUP when a valid commission of CT have inspected and belief, the Ow	Pneumatic Norm Pressure Not Pressure Not CERTI Ort are correct and it ode Symbol Stamp ISI Coor CERTIFICA issued by the Natic if the components of	rinal Operating t Required plicable mater FICATE OF C this replaceme to Not Applicate rdinator ATE OF INSER total Board of Elescribed in thi	psig Test Temp psig Test Temp ial documentation f OMPLIANCE nt conforms to the ole Certificate of Date 6/23 RVICE INSPECTIO Boiler and Pressures Owner's Report of	mpt Not Required for tube plugs wa Authorization No., 20.09	s attached at the tire. Not Applicable rs and the State of 9/29/2008 to 6/19/2	ne of final review
9. Pa We cert rules of Signed I, the ur and em to the b accorda By signi measur	temarks: Section and is maintained of the ASME Code, Owner or Over the ASME of the ASME of the ASME code, Owner or Over the ASME of the ASME of the ASME code, owner or Over the ASME of t	All pressure testing is on file. All pressure testing is on file. The ments made in the report of Carlon XI. Type Carlon XII. Type Carlon XI. Type Carlon XI. Type Carlon XI. Type Carlon XII. Type Carlon	Pneumatic Nom Pressure Not Pressure Not CERTIFICA issued by the Natic of the components of the components of the components of the code, Section XI. nor his employer murthermore, neither	rinal Operating t Required plicable mater FICATE OF C this replaceme by Not Applical redinator ATE OF INSER ponal Board of E described in this examinations akes any warr the Inspector	psig Test Temp psig Test Temp ial documentation f OMPLIANCE nt conforms to the ole Certificate of Date 6/23 RVICE INSPECTIO Boiler and Pressure s Owner's Report c and taken corrective anty, expressed or nor his employer sl	nmpt Not Required o Not Required for tube plugs wa Authorization No, 20.09 e. Vessel Inspectoduring the period we measures des implied, concern	s attached at the tire. Not Applicable rs and the State of 9/29/2008 to 6/19/2 cribed in this Owner ing the examination	Province of 2009, and state the r's Report in
9. A We cert rules of Signed I, the ur and em to the b accorda By signi measur	temarks: Section and is maintained of the ASME Code, Owner or Over the ASME of the ASME of the ASME code, Owner or Over the ASME of the ASME of the ASME code, owner or Over the ASME of t	All pressure testing is on file. All pressure testing is on file. The ments made in the report of CLASUP of CLASUP of CT have inspected and belief, the Own irrements of the ASME neither the Inspector of CT have inspected the second of the ASME neither the Inspector of CT have inspected the second of the ASME neither the Inspector of CT have inspected the second of the ASME neither the Inspector of the ASME	Pneumatic Nom Pressure Not Pressure Not CERTIFICA issued by the Natic of the components of the components of the components of the code, Section XI. nor his employer murthermore, neither	rinal Operating t Required plicable mater FICATE OF C this replaceme by Not Applical redinator ATE OF INSER ponal Board of E described in this examinations akes any warr the Inspector	psig Test Temp psig Test Temp ial documentation f OMPLIANCE nt conforms to the ole Certificate of Date 6/23 RVICE INSPECTIO Boiler and Pressure s Owner's Report c and taken corrective anty, expressed or nor his employer sl	nmpt Not Required o Not Required for tube plugs wa Authorization No, 20.09 e. Vessel Inspectoduring the period we measures des implied, concern	s attached at the tire. Not Applicable rs and the State of 9/29/2008 to 6/19/2 cribed in this Owner ing the examination	Province of 2009, and state the r's Report in

AS Required by the Provisions of the ASME Code Section XI

2. Plant Name: Braidwood Station Unit: 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407	
	1
Work Order #01073207-02 Repair Organization P.O., Job	No., etc
3. Work Performed By: Westinghouse Electric Corporation Address: P. O. Box 158, Madison, PA 15663 Type Code Symbol Stamp: No Authorization No.: None	ne
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:	· · · · · · · · · · · · · · · · · · ·
Manufacturer Serial No. Board No. Identification Removed, or Stam	E Code ped (Yes r No)
Tube Applicable	Tubes)
Cold Leg End of Tube Electric NX9982HK Applicable 1033239-1 UTC 2827733	No
Row 28, Column 63 Row 30, Column 63 Inco Alloys (Hot Leg) Row 27, Column 64 International 9T538 Row 29, Column 64 9T539	
9T540 9T541	
(Cold Leg) 9T534 9T535	
9T536 9T537	
7. Description of Work: Mechanically plugged steam generator tubes in the 1C steam generator based on eddy current test results.	
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 applicable. Applicable material documentation for tube plugs was attached at the time of fin and is maintained on file.	al review
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 6/23, 2009	
Owner or Owner's Designee, Witte	
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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/29/2008 to 6/23/2009, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 9/29/2008 to 6/23/2009, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 9/29/2008 to 6/23/2009, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 9/29/2008 to 6/23/2009, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 9/29/2008 to 6/23/2009, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 9/29/2008 to 6/23/2009, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 9/29/2008 to 6/23/2009, and to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report during the period 9/29/2008 to 6/23/2009.	d state that
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and c measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any persona property damage or a loss of any kind arising from or connected with this inspection.	
L. hude Commissions IL1085	
Inspector's Signature National Board, State, Province, and Endors	ements
Date 6-2-4-, 20 024 Page 7-28	

1.		xelon Generation C Exelon Way, Kenne	o., LLC ett Square, PA 19348		. *	Date Sheet	6/4/2009 1 of 1	
•		Braidwood Station 0 S. Rte. 53, Suite	Unit 1 84, Braceville, IL 604	07			Order #01073784 Organization P.C	
3.		d By: Shaw / Stone 0 S. Essex Road, V	e & Webster Vilmington, IL 60481			Author	Symbol Stamp: Norication No.: None tion Date: None	
4.	Identification of	System: Reactor	Coolant / Pressurizer	(RY) (Class 1 l	Portion of System)		don Bate. Hone	
5 (a (b (c) Applicable E		Utilized for Repairs o		mer 1975 Addenda, No 2: 2001 Edition with 20			
• 4	•			la sam ant Camu	ananta.	*		
	entification of Corr of Component	Name of	or Replaced and Rep Manufacturer	National	Other Identification	Year Built	Repaired,	ASME Code
·	or component	Manufacturer	Serial No.	Board No.	Guier identification	l car built	Replaced, or Replacement	Stamped (Yes or No)
	onnet Assembly 1500# Manual Valve	Borg Warner	Not Recorded	Not Recorded	1RY025	Not Recorded	Replaced	Yes
	onnet Assembly 1500# Manual Valve	Flowserve Corporation	Serial Number 96796-1	Not Applicable	Cat ID 12679-1 UTC 2827548	2009	Replacement	Yes
· · · · · · · · · · · · · · · · · · ·			he time of final reviev CERT eport are correct and	TIFICATE OF C		· · · · · · · · · · · · · · · · · · ·		
			Code Symbol Stamp	: Not Applicab	le Certificate of Auth			
Signed				Coordinator	Date	18 , 20 <u>.</u>	09	
	Owner or Ov	vner's Designee, Ti	tie*					
1		·					<u>. 1 </u>	
								4
			CERTIFIC	ATE OF INSER	VICE INSPECTION		*.	
and en	ployed by HSBCT at of my knowledge	of CT have inspect and belief, the Ow	ted the components of	described in this caminations and	oiler and Pressure Ves oowner's Report during taken corrective meas	the period 4/2	2/2009 to 6/4/2009	9, and state that to
By sigr measu	ning this certificate res described in th	neither the Inspect	or nor his employer m	nakes any warra r the Inspector r	anty, expressed or impl nor his employer shall b ion.			
1	D i	•						
\	I hu	de	 		Commissions	IL1085	····	· · · · · · · · · · · · · · · · · · ·
	Inspector's Sign	nature			Nation	nal Board, Stat	te, Province, and I	Endorsements
D-1-	1.161 00	56						
Date	(S 20_	0)	-1		· · · · · · · · · · · · · · · · · · ·	·		
•								

Date 5/13/2009

Owner: Exelon Generation Co., LLC

Plant Name: Bra Address: 35100 S							
	aidwood Station H	nit 1		,	١.	Vork Order #00609951-	.na
		I, Braceville, IL 604	07			Repair Organization P.C	
3. Work Performed Address: 36400 S		& Webster Imington, IL 60481				ype Code Symbol Stan Authorization No.: None	
ldentification of S	ystem: Safety Inje	ction (SI), Class 1 a	nd 2		t	Expiration Date: None	
				mer 1975 Addenda, s: 2001 Edition with			
	e Cases used: No					•	
. Identification of Compo	onents Repaired or	Replaced and Rep	lacement Com	ponents:	.:	T	
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)
eck Valve 1SI8819A and	Kerotest	Not Recorded	Not	Valve 1SI8819A	Not	Replaced	Yes (Valve)
associated piping Lines 1SI18EA-2" and	(Valve)	•	Applicable	Lines Lines 1SI18EA-2" and	Recorded		
1SI18FA-2")		* .	·	1SI18FA-2"			
" Y-Piston Check Valve	Flowserve	E-467P-1-6	Not Applicable	Cat ID 24010-1 UTC 2741375	1999	Replacement	Yes
2" Seamless Pipe	Sandvik Materials	Heat 505112	Not Applicable	Cat ID 32352-1 UTC 2738293	2005	Replacement	No
	Technology	· · · · · · · · · · · · · · · · · · ·					
		Cor	tinued on She	et 2 of 2			
	1 piping was agair		(and Class 1)				
	able documentatio		ne system leak	age test on 4/18/200	9 (Test Bloc	ng Surveillance 1BwVS k A01ZZ-000005-M04-(ions were attached at th	01A, WO#
1081910-01). Application review and is on file.	able documentatio		ne system leak	age test on 4/18/200	9 (Test Bloc	k A01ZZ-000005-M04-0	01A, WO#
	able documentatio	n (Form NPV-1 Mar	ne system leak nufacturers' Da	age test on 4/18/200 ta Report) and mate	9 (Test Bloc	k A01ZZ-000005-M04-0	01A, WO#
review and is on file. Ve certify that the statemer ules of the ASME Code, So	nts made in the repection XI. Type (n (Form NPV-1 Mar CERTI ort are correct and	ne system leak nufacturers' Da FICATE OF C this replaceme	age test on 4/18/200 ta Report) and mate OMPLIANCE nt conforms to the ole Certificate of A	09 (Test Bloc rial certificat	k A01ZZ-00005-M04-(ions were attached at th	01A, WO#
review and is on file. Ve certify that the statement less of the ASME Code, So igned Blendan	nts made in the repection XI. Type (CERTI ort are correct and Code Symbol Stamp	ne system leak nufacturers' Da FICATE OF C this replaceme o: Not Applicat	age test on 4/18/200 ta Report) and mate OMPLIANCE nt conforms to the	09 (Test Bloc rial certificat	k A01ZZ-00005-M04-(ions were attached at th	01A, WO#
review and is on file. The certify that the statement less of the ASME Code, So igned Baladan	nts made in the repection XI. Type (CERTI ort are correct and Code Symbol Stamp	ne system leak nufacturers' Da FICATE OF C this replaceme o: Not Applicat	age test on 4/18/200 ta Report) and mate OMPLIANCE nt conforms to the ole Certificate of A	09 (Test Bloc rial certificat	k A01ZZ-00005-M04-(ions were attached at th Mo.: Not Applicable	01A, WO#
review and is on file. Ve certify that the statement less of the ASME Code, So igned Blendan	nts made in the repection XI. Type (CERTI ort are correct and Code Symbol Stamp	ne system leak nufacturers' Da FICATE OF C this replaceme o: Not Applicat	age test on 4/18/200 ta Report) and mate OMPLIANCE nt conforms to the ole Certificate of A	09 (Test Bloc rial certificat	No.: Not Applicable	01A, WO#
review and is on file. Ve certify that the statement less of the ASME Code, So igned Balendan	nts made in the repection XI. Type (CERTI ort are correct and Code Symbol Stamp	ne system leak nufacturers' Da FICATE OF C this replaceme o: Not Applicat	age test on 4/18/200 ta Report) and mate OMPLIANCE nt conforms to the ole Certificate of A	09 (Test Bloc rial certificat	k A01ZZ-00005-M04-(ions were attached at th Mo.: Not Applicable	01A, WO#
review and is on file. The certify that the statement less of the ASME Code, So igned Baladan	nts made in the repection XI. Type (CERTI Ort are correct and Code Symbol Stamp	ne system leak nufacturers' Da FICATE OF C this replaceme o: Not Applicat	age test on 4/18/200 ta Report) and mate OMPLIANCE nt conforms to the ole Certificate of A	9 (Test Bloc rial certificat authorization	No.: Not Applicable	01A, WO#
review and is on file. We certify that the statemer ules of the ASME Code, So owner or Owner	nts made in the repection XI. Type (Casus er's Designer, Title a valid commission f CT have inspecte and belief, the On	CERTIFIC.	FICATE OF C this replaceme Not Applicat ATE OF INSEF onal Board of E described in thi examinations	ompliance nt conforms to the certificate of A Date SVICE INSPECTION Soiler and Pressure is Owner's Report du	19 (Test Bloc rial certificat uthorization //3	No.: Not Applicable 20 09 ctors and the State of Pod 3/26/2009 to 5/13/26	ona, wo# le time of final Province of IL 009, and state the
review and is on file. We certify that the statemer ules of the ASME Code, So igned Owner or	a valid commission of CT have inspecte and belief, the Owner's Report. F	CERTIFIC I issued by the Nation of the components of the components of the Code, Section XI. The code of the components of the components of the code, Section XI. The code of the code of the code of the code, Section XI. The code of the code	FICATE OF C this replaceme by Not Applicate ATE OF INSER onal Board of Edescribed in thi examinations hakes any warr the Inspector	OMPLIANCE nt conforms to the ole Certificate of A Date RVICE INSPECTION Boiler and Pressure of Sound to the conforms to the ole Certificate of A Boiler and Pressure of the conforms to the ole Certificate of A Boiler and Pressure of the conforms to the conforms to the certificate of A Boiler and Pressure of of A Boil	19 (Test Bloc rial certificat authorization //3	No.: Not Applicable 20 09 ctors and the State of Pod 3/26/2009 to 5/13/20 described in this Owner erning the examinations	Province of IL 2009, and state the Report in Security and correctives
review and is on file. We certify that the statemer ules of the ASME Code, So igned Owner or	a valid commission of CT have inspecte and belief, the Owner's Report. F	CERTIFIC I issued by the Nation of the components of the components of the Code, Section XI. The code of the components of the components of the code, Section XI. The code of the code of the code of the code, Section XI. The code of the code	FICATE OF C this replaceme by Not Applicate ATE OF INSER onal Board of Edescribed in thi examinations hakes any warr the Inspector	OMPLIANCE nt conforms to the ole Certificate of A Date S RVICE INSPECTION Soiler and Pressure of S Sowner's Report duand taken corrective anty, expressed or in nor his employer shall	Joy (Test Bloc rial certificat authorization //3 //3 //ssel Insper ring the peri e measures of mplied, conc all be liable i	No.: Not Applicable 20 09 ctors and the State of Pod 3/26/2009 to 5/13/20 described in this Owner erning the examinations	Province of IL 2009, and state the Report in Security and correctives
review and is on file. Ve certify that the statemer ules of the ASME Code, So Signed Blendan	a valid commission of CT have inspected and belief, the Owner's Report. For any kind arising	CERTIFIC I issued by the Nation of the components of the components of the Code, Section XI. The code of the components of the components of the code, Section XI. The code of the code of the code of the code, Section XI. The code of the code	FICATE OF C this replaceme by Not Applicate ATE OF INSER onal Board of Edescribed in thi examinations hakes any warr the Inspector	OMPLIANCE Int conforms to the cole Certificate of A Date S RVICE INSPECTION Roller and Pressure S Sowner's Report do and taken corrective anty, expressed or in nor his employer shittion.	uthorization //3 //sssel Inspering the pering the perin	No.: Not Applicable 20 09 ctors and the State of Pod 3/26/2009 to 5/13/20 described in this Owner erning the examinations	Province of IL. 2009, and state the s Report in s and corrective ersonal injury or
review and is on file. We certify that the statemer ules of the ASME Code, So Signed Blendan Owner or	a valid commission of CT have inspected and belief, the Organization of the Association o	CERTIFIC I issued by the Nation of the components of the components of the Code, Section XI. The code of the components of the components of the code, Section XI. The code of the code of the code of the code, Section XI. The code of the code	FICATE OF C this replaceme by Not Applicate ATE OF INSER onal Board of Edescribed in thi examinations hakes any warr the Inspector	OMPLIANCE Int conforms to the cole Certificate of A Date S RVICE INSPECTION Roller and Pressure S Sowner's Report do and taken corrective anty, expressed or in nor his employer shittion.	uthorization //3 //sssel Inspering the pering the perin	No.: Not Applicable 20 09 ctors and the State of Pod 3/26/2009 to 5/13/20 described in this Owner erning the examinations in any manner for any policies.	Province of IL. 2009, and state the s Report in s and corrective ersonal injury or

Owner: Exelon Generation Co., LLC

Address: 300 Exelon Way, Kennett Square, PA 19348

Date 5/13/2009 Sheet 2 of 2

۷. Plant Name: Braidwood Station Unit 1

3.

Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00609951-01

Type Code Symbol Stamp: None

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

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

Authorization No.: None

Expiration Date: None

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

Applicable Construction Code: ASME Section III 1974 with Summer 1975 Addenda, No Code Cases 5

Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 Edition with 2003 Addenda

Section XI code Cases used: None

Identification of Components Repaired or Replaced and Replacement Components (continued from Sheet 1):

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Socket Weld Flange	Western Forge & Flange Co.	Heat 24329 Lot 6373 Code BYL	Not Applicable	Cat ID 30443-1 UTC 2696519	2004	Replacement	No
3/32" Diameter ER316/316L Bare Welding Rod	Arcos Industries, LLC	Lot/Alloy CM8256	Not Applicable	Cat ID 8500-1 UTC 2715657	2004	Replacement	No
3/32" Diameter ER308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT8816 Heat 735857 Control 8816	Not Applicable	Cat ID 8497-1 UTC 2807789	2008	Replacement	No
1/8" Diameter ER308/308L Bare Welding Rod	Arcos Industries, LLC	Lot DT8780 Heat 735456 Control 8780	Not Applicable	Cat ID 8513-1 UTC 2802006	2007	Replacement	No

Bycasey 5/13/09 1 Inla 5/14/09

24919

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES!

As Required by the Provisions of the ASME Code Rules

Machine DV	t, Williamsport,		rder No. E-467P-1
Commonwealth 56	A Address of Manufacture		
P. O. Box 767,	Chicago, IL 606	90	345778; Rel. XX
Manufactured for	(Mann and Address)	<u> </u>	
Owner Commonwealth Edison Com			
Location of Plant Braidwood Station	, B/S Rt 53, 1.5	mi. S Rt 113, B	aldwood, IL 60408
Pump or Valve Identification Valve Se	Erial No. E-407F	<u> </u>	
2" - 1500# Y-Piston Cl	heck Valve		
(Brief descri	pulon of service for which	equipment was designed)	
			
(a) Drawing No. 72593395, R/P	Prepared by P1	owserve Corp.	
(a) Drawing No.	_ Properted by		
(b) National Board No. N/A			
3600	100	^-	
Design Conditions (Pressure)	Poi 100	two)	
The material, design, construction, and work			•••
The material, design, construction, and work Edition 1971 , Addenda Date			
		, Case No. N/A	Remarks
Editios 1971 , Addeada Dat	Winter 1972	, Case No. N/A	
Editios 1971 , Addeada Dat	Winter 1972	, Case No. N/A	
Edition 1973 , Addeada Dat Mark No. (a) Cautings	Winter 1972	, Case No. N/A	
Edition 1973 , Addeada Dat Mark No. (a) Cautings	Winter 1972	, Case No. N/A	
Edition 1973 , Addenda Dat Mark No. (a) Castings	Winter 1972	, Case No. N/A	
Edition 1973 , Addenda Dat Mark No. (a) Castings	Winter 1972	, Case No. N/A	
Edition 1973 , Addeada Dat Mark No. (a) Cautings	Winter 1972	, Case No. N/A	
Edition 1971 , Addenda Dat Mark No. (a) Castings	Winter 1972	, Case No. N/A	
Edition 1971 , Addenda Dat Mark No. (a) Castings	Winter 1972	, Case No. N/A	
Edition 1973 , Addenda Date Mark No. (a) Castings N/A	Winter 1972	, Case No. N/A	
Editios 1973 , Addenda Dat Mark No. (a) Castings , N/A	Motorial Spec. No.	Manufacturer	Remerks
Edition 1973 , Addenda Date Mark No. (a) Castings N/A	Winter 1972	, Case No. N/A	Remerks
Edition 1971 , Addenda Date Mark No. (a) Castings N/A (b) Forgings Body: Trace Code: A34 S/N 27	Motorial Spec. No.	Manufacturer Endicott Porging	Remerks
Edition 1971 , Addenda Date Mark No. (a) Castings N/A (b) Forgings Body: Trace Code: A34 S/N 27 Cover: R/S #314038	SA182-F316 SA182-F316	Manufacturer	Remarks S. Mfg. Co.
Editios 1971 , Addeada Dat Mark No. (a) Castings (b) Forgings Body: Trace Code: A34 5/N 27	SA182-F316 SA182-F316	Manufacturer Endicott Porging	Remerks s Mfg. Co.
Edition 1971 Addenda Date Mark No. (a) Castings N/A (b) Forgings Body: Trace Code: A34 S/N 27 Cover: R/S #314038	SA182-F316 SA182-F316	Manufacturer Endicott Porging	Remerks

	FORM NPV-1 (bed	ou)	
24919			Romarke
Merk No.	Motorial Spec. No.	STATE OF THE PARTY	
(c) Bolting			
N/A			
(d) Other Parts			
Disc HT #715898	SA479-316	Carpenter Techno	logy Corp.
S/N 6			
			
			
	 	<u> </u>	<u></u>
Hydrostetic test 5400	. pei.		
tress analysis report on file at PLOWSEI esign specifications certified by L. I) tress analysis report certified by Ronal	Corp., 701 First S rve Corp., 701 First te Ezekoye ld S. Farrell	St., Williamsport st St., Williamsp(1) Prof. Eng. State(1) Prof. Eng. State	PA Res. No. 18379E
tress analysis report on file at Plowsel esign specifications certified by L. I) tress analysis report certified by Ronal () Signature not required. List came only. The certify that the statements made in this statements are properties of the statements and the statements are properties.	rve Corp., 701 First care corp., 701 First care correct. d Flowserve Corp. (Manufacturer)	(1) Prof. Eng. State (1) Prof. Eng. State	PA Res. No. 18379E
esign specifications certified by L. I) tress analysis report on file at PlowSel sign specifications certified by Ronal Signature not required. List came only. The certify that the atatements made in this related to the second secon	rve Corp., 701 First ka Ezekoye ld S. Farrell repon we correct.	(1) Prof. Eng. State (1) Prof. Eng. State	PA Reg. No. 18379E
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Personal to 11.6.A. (A/72)

This form (EST) is obtainable from the ASME, 345 E. 47th St., New York, N.Y. 10017

Charles Young

: Exelon Generation Co., LLC

Date 5/15/2009

Address: 300	Exelon Way, Kenne	ett Square, PA 193	48		Sne	et 1 of 1	
	Braidwood Station I 0 S. Rte. 53, Suite I		0407			rk Order #01146685 pair Organization P.C	
	d By: Braidwood N 0 S. Route 53, Suite				Auti	le Symbol Stamp: Norization No.: None iration Date: None	
4. Identification of	System: Safety Inj	ection (SI) (Class	2 Portion of Sys	stem)			
(b) Applicable E		Utilized for Repairs		mmer 1975 Addenda, I nts: 1989 Edition with			
6. Identification of Com		or Replaced and Re	eplacement Cor	nponents:	· · · · · · · · · · · · · · · · · · ·	r	1 1000
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)
Bolting at Connection 2A-SI-22 on Line 2SI01B-24	Unknown	Not Recorded	Not Recorded	2A-SI-22	Not Recorded	Replaced	No
5/8"-11 Heavy Hex Nuts	NOVA Machine Products Corporation	Heat 7220464 Lot 50002892 Trace M192	Not Applicable	Cat ID 37029-1-1 UTC 2689561	2005	Replacement	No
5/8"-11 Threaded Rod	NOVA Machine Products Corporation	Heat 7404456 Lot 40062896 Trace F440	Not Applicable	Cat ID 571385-1 UTC 2657685	2002	Replacement	No
9. Remarks: Applicat We certify that the statem rules of the ASME Code,	Other of the control	tions were attached	d at the time of RTIFICATE OF	sig Test Temp. Not Applications of the final review and are on COMPLIANCE ent conforms to the	ı file.	Not Applicable	
Signed Brende			SI Coordinator		5/15 2		
Owner or Ov	vner's Designee, Tit		,				
		·					<u> </u>
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		· .		<u> </u>	·
	· .	CERTIFI	CATE OF INSE	RVICE INSPECTION			
I, the undersigned, holdin and employed by_HSBCT to the best of my knowled accordance with the requ	of CT have inspect tge and belief, the (on issued by the Na ted the component Owner has perform	ational Board of s described in the ed examination	Boiler and Pressure V	ing the period	7/10/2008 to 5/15/20	009, and state that
By signing this certificate measures described in the property damage or a los	is Owner's Report.	Furthermore, neith	er the Inspecto	r nor his employer sha			
1 1	_(
Inspector's Sign	ature			Commissions Nat	<u>IL1085</u> tional Board, S	tate, Province, and I	Endorsements
						مارين المستور	
Date 5 LY , 20c	29	· · · · · · · · · · · · · · · · · · ·		· · · · · · · · · · · · · · · · · · ·			

Owner: Exelon Generation Co., LLC

Date 6/11/2009

Addres	s: 300 Exe	on Way, Kennett	Square, PA 19348			She	eet 1 of 2		
2. Plant N	ame: Brai	idwood Station Lir	sit 1			10/0	rk Order #01033800	Λ1	
	 Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 						Repair Organization P.O., Job No., etc		
		By: Shaw / Stone . Essex Road, Wil	& Webster Imington, IL 60481			Aut	e Code Symbol Star horization No.: None		
4. Identific	cation of Sys	stem: Safety Injec	tion (SI), Class 2 po	ortion of system	i .	Ext	piration Date: None		
(b) Appl	icable Editio	truction Code: All on of Section XI U Cases used: Nor	tilized for Repairs o	ition through 19 r Replacement	975 Addenda, No Co s: 2001 Edition with	ode Cases 2003 Addenda	a		
6. Identification	of Compor	nents Repaired or	Replaced and Repl	lacement Comp	ponents:		and the second second		
Name of Compo	onent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)	
Line 1SI99F-	-1"	Not Recorded	Not Recorded	Not Applicable	Line 1Si99F-1"	Not Recorded	Replaced	No	
2" Socket Weld P	ipe Tee	Bonney Forge	Lot P294	Not Applicable	Cat ID 26554-1 UTC 2812987	1978	Replacement	No	
2" Seamless F	Pipe	Sandvik	Heat 512741	Not Applicable	Cat ID 26883-1 UTC 2800388	2007	Replacement	No	
			Con	ntinued on She	et 2 of 2	-l	<u> </u>	•	
9. Remarks: certification	VT-2 exami	ination of 2" NPS	pipe, fittings, and as of final review and a	ssociated sock		on 3/27/2009 ir	n fabrication shop. A	pplicable material	
			ort are correct and			uthorization N	n - Not Applicable		
		Casey r's Designee, Title			Date	,			
Own	er or Owne	r's Designee, Title)			 ,			
		· · · · · · · · · · · · · · · · · · ·						The second second	
		·						· · · · · · · · · · · · · · · · · · ·	
Ì.,					RVICE INSPECTION				
and employed by to the best of my	HSBCT of knowledge	CT have inspecte and belief, the Ov	d the components of	described in thi examinations	s Owner's Report du	iring the period	ors and the State of I I 10/7/2008 to 6/11/2 scribed in this Owner	009, and state that	
measures descri	bed in this C	Owner's Report. F		the Inspector	nor his employer sha		ning the examination any manner for any p		
1	mili		V .		Commissions	II 1005		* .	
Inspect	or's Signatu	re	. <u></u>	-		IL1085 itional Board, S	State, Province, and	Endorsements	
la clas	.		•						
Date 423	, 20 <u>65</u>	·		•				- · · · · · · · · · · · · · · · · · · ·	

Owner: Exelon Generation Co., LLC

Address: 300 Exelon Way, Kennett Square, PA 19348

Date 6/11/2009 Sheet 2 of 2

Plant Name: Braidwood Station Unit 1 2.

3.

4.

Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #01033800-01

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

Work Performed By: Shaw / Stone & Webster

Type Code Symbol Stamp: None Authorization No.: None

Address: 36400 S. Essex Road, Wilmington, IL 60481

Expiration Date: None

Identification of System: Safety Injection (SI), Class 2 portion of system

Applicable Construction Code: ANSI B31.1, 1973 Edition through 1975 Addenda, No Code Cases 5

Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 Edition with 2003 Addenda

Section XI code Cases used: None

Identification of Components Repaired or Replaced and Replacement Components (continued from Sheet 1):

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
2" Socket Weld Elbow	Bonney Forge	Lot 44013	Not Applicable	Cat ID 26740-1 UTC 2774224	2006	Replacement	No
2" X 1/2" Reducing Bushing	Bonney Forge	Lot 7562	Not Applicable	Cat ID 26742-1 UTC 2826654	2009	Replacement	No
2" X 1" Pipe Insert	Bonney Forge	Lot 7517	Not Applicable	Cat ID 38282-1 UTC 2825005	2006	Replacement	No
1/8" ER308/308L Weld Rod	Arcos	Lot DT8659	Not Applicable	Cat ID 8513-1 UTC 2785469	2007	Replacement	No
3/32" ER308/308L Weld Rod	Arcos	Heat 735857 Lot CT8816	Not Applicable	Cat ID 8497-1 UTC 2807789	2008	Replacement	No

Botasey 6/11/2009

Owner : Address: 30	Exelon Generation C DO Exelon Way, Kenn		8			2/16/2009 et 1 of 1	
	Braidwood Station 100 S. Rte. 53, Suite		407			Order #0090045	
3. Work Perfor	med By: Braidwood S 100 S. Rte. 53, Suite	Station Mechanical M	laintenance		Code Autho	Symbol Stamp: orization No.: Nor	None ne
1. Identification	of System: Chilled V	Vater (WO) (Class 2	Portion of Svs	tem)	Expir	ation Date: None	
5 (a) Applicable (b) Applicable	e Construction Code: e Edition of Section XI I code Cases used: N	ASME Section III 19 Utilized for Repairs	974 Edition, Wir	nter 1976 Addenda			
3. Identification of C	omponents Repaired	or Replaced and Re	nlacement Cor	nponents:			
Name of	Name of	Manufacturer	National	Other	Year Built	Repaired,	ASME Code
Component	Manufacturer	Serial No.	Board No.	Identification		Replaced, or Replacement	Stamped (Yes or No)
Bolting for 10" Anderson	Unknown	Unknown	Not Applicable	1WO007A	Not Recorded	Replaced	No
Greenwood Wafer Check Valve				,	٠.		
7/8"-9 Threaded	NOVA Machine	Heat 245182	Not	Cat ID 37096-1	2007	Replacement	No
Rod	Products / AUGE Industrial	Lot 50095480 Trace 0E21	Applicable	UTC 2772837	*,		
7/8"-9 Heavy Hex	Fasteners NOVA Machine	Heat 251919	Not	Cat ID 37033-1	2008	Replacement	No
Nuts	Products / AUGE Industrial	Lot 50134646 Trace 1N89	Applicable	UTC 2806660			
 	<u>Fasteners</u>		1		L,	<u> </u>	<u> </u>
. Remarks: Secti and are maintai	on XI pressure testing ned on file.	not applicable. Ap	plicable materia	al certifications for t	polting materials we	ere attached at the	time of final revie
				· · · · · · · · · · · · · · · · · · ·	<u> </u>		· · · · · · · · · · · · · · · · · · ·
Ve certify that the statules of the ASME Coo	ements made in the r		d this replacem		e f Authorization No.:	: Not Applicable	
igned Drenda	n g. Casey		ordinator	_ Date	_, 20 <u><i>09</i></u>		
Owner or	Owner's Designee	itle		**			
			 		• • • • • • • • • • • • • • • • • • • •		
		CERTIF	CATE OF INSE	RVICE INSPECTI	ON		
nd employed by HSB the best of my know	ding a valid commissi ICT of CT have inspec- riedge and belief, the equirements of the AS	cted the components Owner has performe	described in the descri	his Owner's Report	during the period 1	12/19/2006 to 2/16	/2009, and state t
By signing this certifica neasures described in property damage or a	this Owner's Report.	Furthermore, neith	er the Inspecto	r nor his employer			
1	1		A				
4.	hullen-	<u> </u>		Commissions		<u> </u>	No
Inspector's S	signature				National Board, St	ate, Province, and	Endorsements
	0						
Date 4 142	009		,				