

Exelon Generation Company, LLC Braidwood Station 35100 South Route 53, Suite 84 Braceville, IL 60407-9619 www.exeloncorp.com

Nuclear

February 4, 2011 BW110012

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 fifteenth refueling outage (A1R15). This report is submitted in accordance with the requirements of the American Society of Mechanical Engineers Boiler and Pressure Vessel Code, Section XI, "Rules for the Inservice Inspection of Nuclear Power Plant Components," Article IWA-6200, "Requirements."

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

Respectfully

Amir Shahkarani

Site Vice President

Braidwood Station

Enclosure:

Braidwood Station ISI Outage Report for A1R15

CC:

NRR Project Manager - Braidwood Station

Illinois Emergency Management Agency - Division of Nuclear Safety

NRC Regional Administrator – NRC Region III NRC Senior Resident Inspector – Braidwood Station

BRAIDWOOD STATION

UNIT 1 INSERVICE INSPECTION SUMMARY REPORT FOR:

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

STATION ADDRESS:

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

UNIT 1 COMMERCIAL SERVICE DATE:

July 29, 1988

OWNER'S ADDRESS:

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



Braidwood Station Unit 1 A1R15 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 2-3
3.0 - COMPONENT EXAMINATION RESULTS	3-1 to 3-59
4.0 - FORM NIS-1 (OWNER'S REPORT FOR INSERVICE INSPECTION) FOR ISI THIRD INTERVAL AND THIRD INTERVAL INSPECTION STATUS AFTER A1R15	4-1 to 4-4
5.0 - REPORT OF CONTAINMENT DEGRADATION (IWE)	5-1 to 5-3
6.0 - FORM NIS-2, (OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS), Cover page plus 35 pages of Attachments	6-1 to 6-36

1.0 INSPECTION INFORMATION

1.1 Summary

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

All examinations were performed in accordance with the rules and regulations of Section XI, Division 1, "Rules for Inservice Inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 2001 Edition through 2003 Addenda, pursuant to the requirements of Title 10, Part 50.55a of the Code of Federal Regulations (10CFR50.55a).

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

In addition to the ASME Section XI requirements, certain augmented ISI inspections were completed during A1R15. The Braidwood Unit 1 augmented ISI examinations included:

- a) Examination of the Class 1 pressure boundary for leakage at nominal operating pressure, in accordance with Generic Letter 88-05.
- b) Bare Metal Visual examination of the Unit 1 reactor pressure vessel closure head penetration #74 in accordance with Braidwood Relaxation Request approval contained in T. J. McGinty (NRR) letter to C. Crane (Exelon) dated September 26, 2007 (ADAMS ML 072430457).
- c) Examination of the spare (preservice) and 1D (inservice) reactor coolant pump motor flywheels in accordance with Regulatory Guide 1.14.
- Examination of welds in accordance with Materials Reliability Project MRP-139 and MRP-192.
- e) Examination of pressurizer nozzle dissimilar metal weld overlays in accordance with Second Interval ISI Relief Request I2R-48 and ASME Section XI Appendix Q.

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

1.2 Identification of Examination Requirements

The Third Interval ISI Program contains the Component Selection tables. These tables are presented in a tabular format consistent with the tables found in subsections IWB, IWC, IWD, and IWF-2500 of the ASME code. The Non-Destructive Examination (NDE) tables include the corresponding code category, item number, and component/weld population selection in conformance with examination requirements and intent of Subsection IWA, IWB, IWC, IWD, and IWF of Section XI of the ASME Code. Program notes and relief requests and additional information are identified in the basis column.

1.3 Exempted Components

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

1.4 ISI Program Implementation

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

Certified personnel performed and evaluated all NDE. Personnel were certified to the requirements of the American Society for Non-destructive Testing SNT-TC-1A, 1984 Edition. The NDE procedures were developed and certified in conformance with ASME Section V and XI, 2001 Edition through 2003 Addenda or approved alternates (Performance Demonstration Initiative Program) as applicable. In addition, ultrasonic examination personnel were qualified in accordance with ANSI/ASME CP-189, 1995.

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

Certified personnel performed and evaluated visual examinations (UT, VT-1, and VT-3) of containment structures. Personnel were certified to the requirements of the ANSI/ASNT CP-189, 1991 revision, and/or ASME Section XI 2001 through 2003 Addenda, as applicable.

1.5 Witness and Verification of Examination

The inservice inspections were witnessed and/or verified by the Authorized Nuclear Inservice Inspectors (ANII), L. Malabanan, M. Bosnich, and J. Scholl. The inspectors are associated with Hartford Steam Boiler Inspection and Insurance Company of Connecticut, Chicago Branch, at 2443 Warrenville Rd., Suite 500. Lisle. Illinois 60532.

2.0 INSERVICE EXAMINATION SUMMARY

The following is a summary of ASME Section XI Class 1 and 2 examinations performed during the Braidwood Station Unit 1 A1R15 refueling outage. Refer to the component detailed examination tabulations of Section 3.0 for additional information on specific welds, components, supports, snubbers and pressure test examinations and their respective results.

2.1 Inservice Weld/Component Summary

System	Number of Welds / Components*
Chemical & Volume Control (CV)	1
Feedwater (FW)	3
Main Steam (MS)	5
Pressurizer (RY)	6
Reactor Coolant (RC)	19
Residual Heat Removal (RH)	2
Safety Injection (SI)	3
TOTALS	39

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

2.2 Inservice Component Support Summary

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

2.3 Inservice Snubber Summary

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

2.4 Inservice Pressure Test Summary

2.4.1 Pressure Test Block Inspection Summary

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

Table 2.4.1-1
A1R15 Section XI Pressure Tests

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

2.4.2 Borated Bolting Inservice Inspection Summary

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

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

2.5 Steam Generator Eddy Current Testing Summary

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

3.0 COMPONENT EXAMINATION RESULTS

3.1 Third Interval Inservice and Preservice Inspection Detailed Result Tables

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

The table for this section (Pages 3-6 to 3-22) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 welds and components. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.2.

Section XI Cat. Item	ISI Identifier Description	Line Number/EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection C	omments							
(A)	(B) (K)	(C)	(D)	(E)	(F)	(G)	(H)	(1)
(J)								

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

The table for this section (Page 3-23) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and Class 2 components replaced during A1R15. The general format of how the table is setup is shown below. A description of the information contained in each column can be found in Section 3.2.

Section XI Cat. Item	ISI Identifier Description	Line Number/EPN	Relief Request	Program Notes	Code Coverage	Exam Summary	Actual Exam	Results
Inspection 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 3-24 to 3-32) lists the examinations performed for Section XI Inservice Inspection requirements for Class 1 and 2 component supports. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.2.

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

3.1.4 Detailed Third Interval Preservice Component Support Table:

The table for this section (Pages 3-33) lists the examinations performed for Section XI Inservice Inspection requirements for a replaced Class 2 component support. The general format of how the table is set-up is shown below. A

Braidwood Station Unit 1 A1R15 ISI Outage Report

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

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

3.1.5 Detailed Third Interval Inservice Snubber Table:

The table for this section (Pages 3-34 to 3-43) lists the examinations performed for Section XI Inservice Inspection requirements for Class 1 and 2 snubbers. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.2.

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

3.1.6 Detailed Third Interval Preservice Snubber Table:

The table for this section (Pages 3-44 to 3-46) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and 2 snubbers replaced during A1R15. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.3.

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

3.1.7 Detailed Listing of Third Interval System Pressure Tests

The table for this section (Pages 3-47 to 3-55) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 pressure test blocks. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.2.

Section XI	ISI Identifier	Relief	Program	Exam	Results
Cat. Item	Description	Request	Notes	Summary	
Inspection	Comments				
(A)	(B)	(D)	(E)	(G)	(1)
	(K)				
(J)					
(J)					



3.1.8 Detailed Borated Bolted Connection Table

The table for this section (Pages 3-56 to 3-59) lists the examinations performed for Inservice Inspection pressure testing requirements of Section XI Class 1 and 2 borated bolted connections. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.2.

Section XI Cat. Item	ISI Identifier Description	Relief Request	Program Notes	Exam Summary	Results
Inspection (Comments				
(A)	(B)	(D)	(E)	(G)	(1)
	(K)				
(J)					



Braidwood Station Unit 1 A1R15 ISI Outage Report

3.2 General Inservice Report Information

3.2.1 Report Column Descriptions

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



Braidwood Station Unit 1 A1R15 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

IO - Information Only IR - Issue Report

NRI - No Recordable Indications
MT - Magnetic Particle Inspection
PT - Liquid Penetrant Inspection

SUR - Surface Exam
TBD - To Be Developed

WO - Work Order

UT - Ultrasonic Inspection VOL - Volumetric Exam

VOL-E - Volumetric Exam of an Extended Volume

VT - Visual Inspection



SYSTEM: Containment Spray System (CS)

Se	ction XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
	Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Comr	nents								
NA	ECCS	1CS-03-67	1CS06AA-6"		NOTE 19		VOL	UT-0	NA
		ELBOW - PIPE				100		UT-45	NRI
								UT-70	
Auam	ented exar	mination on stagnant borate	d thin-wall pipe weld.	UT thickness pe	erformed to	btain weld	contour and	to confirm	that no
	erbore exis	its.							
counte	erbore exis ECCS	1CS-03-70	1CS06AA-6"		NOTE 19		VOL	UT-0	NA
counte			1CS06AA-6"		NOTE 19	100	VOL	UT-0 UT-45	NA NRI
counte		1CS-03-70	1CS06AA-6*		NOTE 19	100	VOL		
NA Augm	ECCS	1CS-03-70 PIPE - PIPE mination on stagnant borate		UT thickness pe				UT-45 UT-70	NRI
NA Na	ECCS ented exar erbore exis	1CS-03-70 PIPE - PIPE mination on stagnant borate		UT thickness pe				UT-45 UT-70	NRI

Submittal of relief request is being tracked through ATI 894565-02.



SYSTEM: Chemical & Volume Control System (CV)

	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Required Exam	Actual Exam	Results
Comn	nents						·	
R-A	R01.11	1CV-05-03 PIPE - ELBOW	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-04 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-05 PIPE - ELBOW	1CVA3B-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-06 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-13 PIPE - ELBOW	1CVA3B-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-05-14.01 ELBOW - PIPE	1CVA3B-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
B-G-2 VT-1 p		1CV-06-B1 FLANGE BOLTING (after flange disassemb	1CV14GA-1.5" 4 STUDS) bly during pump seal replac	ement under W	'O# 1262834.	SUR	VT-1	NRI
R-A	R01.11	1CV-11-06 PIPE - ELBOW	1CVA6AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1CV-11-07 ELBOW - PIPE	1CVA6AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
NA	ECCS	1CV-17-13 ELBOW - PIPE	1CV05CB-6*		NOTE 19	VOL 100	UT-0 UT-45 UT-70	NA NRI
	ented exar rbore exis		orated thin-wall pipe weld.	UT thickness p	erformed to ob	otain weld contour and	to confirm	that no
R-A	R01.11	1RC-36-15 PIPE - ELBOW	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-16 ELBOW - PIPE	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-17 PIPE - ELBOW	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-18 ELBOW - PIPE	1CVA3AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-11 PIPE - ELBOW	1CVA7AA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-37-12 ELBOW - PIPE	1CVA7AA-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI



SYSTEM: Feedwater System (FW)

Se	ction XI	Component ID	Line Number	Relief	Technical		Required	Actual	Results
	Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Comn	nents								
R-A	R01.11	1FW-02-37	1FW03DA-16"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
	R01.18	PIPE - ELBOW							
			l centerline, additional volu i below recordable levels.	ıme inspected in	accordance	with Risk-I	nformed ISI	requireme	nts.
R-A	R01.11	1FW-03-39	1FW03DB-16"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
	R01.18	PIPE - ELBOW							
			centerline, additional volu i below recordable levels.	ıme inspected in	accordance	with Risk-In	nformed ISI	requireme	nts.
R-A	R01.11	1FW-04-38	1FW03DC-16"	I3R-01	NOTE 17	100	VOL-E	UT-45	NRI
	R01.18	PIPE - ELBOW							
	erbore exis	sts downstream of weld	centerline, additional volu I below recordable levels.	ıme inspected in	accordance	with Risk-Ir	nformed ISI	requiremer	nts.



SYSTEM: Main Steam System (MS)

Se	ction XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
	Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Comr	nents					100			
R-A	R01.20	1MS-04-34	1MS13AA-8*	I3R-01	NOTE 09		VOL-E	UT-0	NA
		ELBOW - PIPE			NOTE 17	100		UT-45	NRI
JT thi	ickness pe	rformed to verify previou	us thickness and contour	and to confirm th	at no counte	erbore exists	3.		
R-A	R01.20	1MS-04-35	1MS13AA-8"	i3R-01	NOTE 09		VOL-E	UT-0	NA
		PIPE - ELBOW			NOTE 17	100		UT-45	NRI
JT thi	ickness pe	rformed to verify previou	us thickness and contour	and to confirm th	at no counte	erbore exists	3.		
R-A	R01.20	1MS-04-36	1MS13AA-8*	I3R-01	NOTE 09		VOL-E	UT-0	NA
		ELBOW - PIPE			NOTE 17	100		UT-45	NRI
JT thi	ickness pe	rformed to verify previou	us thickness and contour	and to confirm th	at no counte	erbore exists	3.		
R-A	R01.20	1MS-04-37	1MS13AA-8"	I3R-01	NOTE 09		VOL-E	UT-0	NA
		PIPE - ELBOW			NOTE 17	100		UT-45	NRI
		rformed to verify previoused below recordable lev	us thickness and contour vels.	and to confirm th	at no counte	erbore exists	s. Previousi	y recorded	
R-A	R01.20	1MS-04-38	1MS13AA-8"	13R-01	NOTE 09		VOL-E	UT-0	NA
		ELBOW - PIPE			NOTE 17	100		UT-45	NRI
	•	rformed to verify previou red below recordable lev	is thickness and contour rels.	and to confirm th	at no counte	rbore exists	. Previousl	y recorded	



	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comn	nents								_
NA	RG 1.14	1/2RCP-01-FLYWHEEL (SPARE)	SPARE		NOTE 18		SUR	PT	NRI
0	A4	SPARE RCP PUMP FLYW				ر منا الما الما الما الما	and and and a	t	WO
		II RCP motor (Serial Numbe A1R15 outage.	r 4588P961). Flywneel	examination v	vas complete	a auring mo	otor returbis	nment und	er wo
R-A	R01.20	1RC-02-04A BRANCH CONNECTION -	THERMOWELL THERMOWELL	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-03-21A BRANCH CONNECTION -	THERMOWELL THERMOWELL	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-06-11 PIPE - ELBOW	1RC21AA-8*	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
		formed to locate counterbore ned ISI requirements. Previous					d, extended	exam volu	
R-A		1RC-23-01 3"X1.5" REDUCER - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17	ne ieveis.	VT-2	VT-2	NRI
R-A	R01.20	1RC-23-02 PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-23-03 ELBOW - PIPE	1RC22AA-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-23-04 PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-23-05 ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-27-04AA PIPE - ELBOW	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-27-05AA ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-27-06AA PIPE - ELBOW	1RC22AA-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-27-07AA ELBOW - PIPE	1RC22AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.20	1RC-27-08AA PIPE - VALVE 1RC8045A	1RC22AA-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-29-01-03 PIPE - BRANCH CONNEC	1RC16AC-2" TION	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-29-01-04 PIPE - BRANCH CONNEC	1RC16AD-2" TION	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-29-02-03 ELBOW - PIPE	1RC16AC-2"	13R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-29-02-04 ELBOW - PIPE	1RC16AD-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI



Se	ection XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Code Notes Coverage	Required Exam	Actual Exam	Results
Comr	nents							
R-A	R01.11	1RC-29-03-03 PIPE - ELBOW	1RC16AC-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-29-03-04 PIPE - ELBOW	1RC16AD-2*	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-29-04-03 ELBOW - PIPE	1RC16AC-2*	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-29-04-04 ELBOW - PIPE	1RC16AD-2*	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-29-05-03 PIPE - ELBOW	1RC16AC-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-29-05-04 PIPE - ELBOW	1RC16AD-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-29-06-03 VALVE 1RC8038C - PIPE	1RC16AC-2*	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-29-06-04 VALVE 1RC8038D - PIPE	1RC16AD-2"	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-31-01 BRANCH CONNECTION -	1RC14AB-2" PIPE	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-31-02 PIPE - VALVE 1RC8039B	1RC14AB-2*	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-31-03 VALVE 1RC8039B - PIPE	1RC14AB-2*	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-31-04 PIPE - TEE	1RC14AB-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-31-05 TEE - 2"X.75" REDUCER	1RC14AB-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-31-06 TEE - PIPE	1RC14AB-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-31-07 PIPE - VALVE 1RC8037B	1RC14AB-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.20	1RC-31-08 BRANCH CONNECTION -	1RC26A-2" PIPE	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-01 BRANCH CONNECTION -	1RC14AA-2" PIPE	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-02 PIPE - ELBOW	1RC14AA-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-03 ELBOW - PIPE	1RC14AA-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1RC-36-04 PIPE - VALVE 1RC8039A	1RC14AA-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI



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



	ection XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Com	ments								
R-A	R01.11	1RC-41-03AA PIPE - ELBOW	1RC16AA-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-41-03AB PIPE - ELBOW	1RC16AB-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-41-04AA ELBOW - PIPE	1RC16AA-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-41-04AB VALVE 1RC8038B - PIPE	1RC16AB-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-41-05AA PIPE - ELBOW	1RC16AA-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-41-06AA VALVE 1RC8038A - PIPE	1RC16AA-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-01 BRANCH CONNECTION -	1RC14AC-2" PIPE	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-02 PIPE - ELBOW	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-03 ELBOW - PIPE	1RC14AC-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-04 PIPE - VALVE 1RC8039C	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-05 VALVE 1RC8039C - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-06 PIPE - TEE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-07 TEE - 2"X3/4" REDUCER	1RC14AC-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-08 TEE - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-09 PIPE - VALVE 1RC8037C	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-10 PIPE - TEE	1RC14AC-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-11 TEE - PIPE	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1RC-42-12 TEE - 2"X1" REDUCER	1RC14AC-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
NA	RG 1.14	1RCP-01-FLYWHEEL (PMP D) RCP "D" PUMP FLYWHEE	1RCP01D		NOTE 18	100	SUR	PT	NRI
PT RO	CP motor fly	wheel in conjunction with m	otor overhaul perfo	ormed under WO#	1309340.				



	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comm		J			1	1			
		1RCP-01-PSB-PA-B1 PUMP SHAFT SEALS (12			NOTE 03 NOTE 16		SUR	VT-1	NRI
Periori	n exam di	uring pump seal replacemen	it under WO# 1262834.						
N-722	B15.090	1RV-01-022 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	MRP- 139	NOZZLE - SAFE END (22	DEG.)		NOTE 17				
∕isual, valk do		e Case N-722) examination	performed after mirror in	sulation was	removed fro	m nozzle to	perform MS	IP accessi	bility
N-722	B15.095	1RV-01-023 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	MRP- 139	SAFE END - NOZZLE (67	DEG.)		NOTE 17				
/isual, valk do		Case N-722) examination p	performed after mirror in	sulation was i	removed fro	m nozzle to	perform MS	IP accessi	bility
1-722	B15.095	1RV-01-024 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
<i>**</i> **********************************	MRP- 139	SAFE END - NOZZLE (113	,	d office as important	NOTE 17		1		. MOID
	v⊨ (not c ibility walk	redited for Code Case N-72: down.	z) examination performe	d after mirror	insulation w	as removed	i irom nozzie	to benom	II MSIP
N-722	B15.090	1RV-01-025 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	MRP-	NOZZLE - SAFE END (158	B DEG.)		NOTE 17			V-	
/isual, valk do		Case N-722) examination p	performed after mirror ins	sulation was r	emoved fror	m nozzle to	perform MS	P accessil	oility
I-722	B15.090	1RV-01-026 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	MRP- 139	NOZZLE - SAFE END (202	PDEG.)		NOTE 17				
/isual, /alk do	VE (Code	Case N-722) examination p	performed after mirror ins	sulation was r	emoved fror	n nozzle to	perform MSI	P accessit	oility
I-722	B15.095	1RV-01-027 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	MRP- 139	SAFE END - NOZZLE (247	DEG.)		NOTE 17				
/isual, /alk do	VE (Code	Case N-722) examination p	erformed after mirror ins	ulation was r	emoved fron	n nozzle to p	perform MSI	P accessit	oility



	tion XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage		Actual Exam	Results
Comm	ents	•	-					16.00	
N-722	B15.095	1RV-01-028 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
Visual,	MRP- 139 VE (not c	SAFE END - NOZZLE (29 credited for Code Case N-72	,	l after mirror	NOTE 17	as removec	l from nozzle	to perform	n MSIP
access	ibility wall	k down.							
N-722	B15.090	1RV-01-029 N-722	1RC01R		NOTE 14		Visual, VE	Visual, VE	NRI
	MRP- 139	NOZZLE - SAFE END (33	8 DEG.)		NOTE 17				
Visual,	VE exam	ination performed after mirro	or insulation was removed	l					
B-N-1	B13.10	1RV-01-RX INTERIOR ACCESSIBLE INTERIOR	1RC01R SURFACES			100	VT-3	VT-3	NRI
N-722	B15.080	1RV-02-INSTR. NOZZLES	1RC01R	I3R-04			Visual, VE	Visual, VE	Ю
0-4-0		RX VESSEL INSTRUMEN		Mark					
Code C	ase N-72	2 examination. Minor staini	ng from previous boot sea	il leakage, no	o change fro	m previous	examination.	<u> </u>	
NA	NA	1RV-03-74-BMV	1RC01R		NOTE 17	100	Visual, VE	Visual, VE	NRI
Bare mo		WELD IN PERIPHERAL C I examination of reactor hea		ound penetra	tion per prev	vious comm	itment in Uni	it 1 Relaxa	ition
3-G-2	B07.10	1RV-03-75 CETNA CLAMP BOLTING	1RC01R				SUR	VT-1	NRI
_		INCORE THERMOCOUPL	, ,						
Connec	tion was	disassembled under WO# 1	286769-29 to correct bori	c acid leakaç	je.				
3-G-2	B07.10	1RV-03-77 CETNA CLAMP BOLTING	1RC01R				SUR	VT-1	NRI
200000	tion was	INCORE THERMOCOUPL	` ,	a aaid laakaa					
		disassembled under WO# 1		acio leakag	<u> </u>		· · · · · · · · · · · · · · · · · · ·		
3-G-1	B06.10	1RV-03-NUTS (01 TO 54) CLOSURE HEAD NUTS (5			NOTE 03		SUR	VT-1	NRI
		through 18 and 37 through A1R14VT-037	•	ed during A	IR14. The re	emaining nu	uts were exar	mined in A	1R14,
3-G-2	B07.10	1RV-03-RVLIS BOLTING (NORTH)	1RC01R				SUR	VT-1	NRI
		NORTH RVLIS ASSEMBLY							
Connec	tion was o	disassembled during A1R15	under WO# 1286769.						
3-G-2	B07.10	1RV-03-RVLIS BOLTING (SOUTH)	1RC01R				SUR	VT-1	NRI
	v	SOUTH RVLIS ASSEMBLY							
onnec	tion was o	disassembled during A1R15	under WO# 1286769.						
3-G-1		1RV-03-WASHERS CLOSURE WASHERS (01	1RC01R TO 54)		NOTE 03		SUR	VT-1	NRI NRI
		rs 1 through 18 and 37 throu report A1R14VT-037	ugh 54 which were not exa	mined during	g A1R14. Ti	ne remainin	g nuts were e	examined	in



Se	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comr	nents		3888						
В-В	B02.40	1SG-05-SGC-01 PRIMARY HEAD - TUBES	1RC01BA HEET		NOTE 17	100	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
date f	rom 7/29/2	ed in A1R16 (Second Period) 1011 to 10/8/2010 as permitt GC-02 (Category C-A, Item	ed by IWA-2430(d)(3)	to take advanta	age of steam	generator s	kip outage	ond Period	start
C-A Exami		1SG-05-SGC-02 TUBE SHEET - LOWER S tations due to four 8* hand h		down lines. Cu	NOTE 17	100 99.75 98.4 verage is 99.	VOL .38%.	UT-0 UT-45 UT-60	NRI
C-B	C02.22	1SG-05-SGN-04 (NIR) FW NOZZLE - STEAM DR	1RC01BA UM LOWER SHELL	NIR	NOTE 17	100	IRS	UT-35 UT-40 UT-45 UT-60	NRI NRI NRI NRI
R-A	R01.11	1SI-16-22.01 VALVE 1SI8900D - PIPE	1RC30AD-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1SI-16-23 PIPE - 3"X1½" REDUCER	1RC30AD-1.5*	13R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1SI-17-01 PIPE - 3"X1½" REDUCER	1RC30AB-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1SI-17-02 VALVE 1SI8900B - PIPE	1RC30AB-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1SI-31-01 PIPE - REDUCER	1RC30AA-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1SI-31-02 VALVE 1SI8900A - PIPE	1RC30AA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI



SYSTEM: Residual Heat Removal System (RH)

Se	ction XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
	Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
omn	nents								100
NΑ	ECCS	1RH-06-35	1RH03AB-8*		NOTE 19		VOL	UT-0	NA
		TEE - PIPE						UT-45	NRI
								UT-70	NRI
			ntour. Examination performented performed in the second sugmented in the second sugmented in the second sec			RI Good Pra	actice MRP	-192 Revisi	ion 1.
Α	NA	1RH-06-36	1RH03AB-8"				VOL	UT-0	NA
		PIPE LONG SEAM						UT-45	NA
ugm	ented exar	mination per MRP-192 R	levision 1.						
-C	C03.10	1RHX-01-1RHES-01 (A	A 1RH02AA	N-700	NOTE 17		SUR	PT	RI
		BOTTOM HEAD - SUF	PPORT SKIRT		NOTE 29				
own. 100(t 352,	Indication o) the Accer rounded in	was considered "record eptance Standard of NC-	30" from the toe of the we able" since Acceptance -5352 of ASME Section I ns greater than 3/16" are service.	Standard IWC-35	512 does no riginal Code	t address ro of Construc	unded indication) was a	ations. Pe	r IWA- r NC-
С-В	C02.21	1RHX-01-1RHXN2 (A I	HX) 1RH02AA	N-706	NOTE 17		VT-2	VT-2	NRI
		NOZZLE - SHELL			NOTE 30				
T-2 r	er Code C	ase N-706 performed di	uring system leakage tes	t (WO 1224128).					



SYSTEM: Reactor Coolant System (RY)

Se	ection XI Cat.	Component ID Description	Line Number	Relief Request	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Com	ments								
R-A	R01.11	1CV-02-13 VALVE 1CV8377 - PIPE	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1CV-02-14 PIPE - ELBOW	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1CV-02-15 ELBOW - PIPE	1RY18A-2*	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1CV-02-16 PIPE - ELBOW	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1CV-02-17 ELBOW - PIPE	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1CV-02-18 PIPE - ELBOW	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1CV-02-19 ELBOW - PIPE	1RY18A-2"	I3R-01	NOTE 17		VT-2	VT-2	NRI
B-D	B03.110	1PZR-01-N2 SPRAY NOZZLE - PRESS	1RY01S SURIZER		NOTE 17	56.56	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
Cumu	ılative exan	nination coverage is 56.56%	. Relief request is being	tracked thro	ough ATI 894	565-02.		01-00	IVITI
B-D	B03.120	1PZR-01-N2 (NIR) SPRAY NOZZLE - PRESS	1RY01S SURIZER INNER RADIUS	10CFR	NOTE 13 NOTE 17	100	IRS	UT-24 UT-60 UT-65 UT-70	NRI NRI NRI NRI
B-D	B03.110	1PZR-01-N3 PRESSURIZER - RELIEF	1RY01S NOZZLE		NOTE 17	60.92	VOL	UT-0 UT-45 UT-60	NRI NRI NRI
Cumu	lative exam	nination coverage is 60.92%	. Relief request is being	tracked thro	ough ATI 8945	565-02.			
B-D	B03.120	1PZR-01-N3 (NIR) PRESSURIZER - RELIEF	1RY01S NOZZLE INNER RADIUS	10CFR	NOTE 13 NOTE 17	100	IRS	UT-24 UT-60 UT-65 UT-70	NRI NRI NRI NRI
R-A	R01.15 R01.11 MRP- 139	1PZR-01-SE-01 PZR SURGE NOZZLE - SA	1RY11A-14" AFE END	I3R-01	NOTE 14 NOTE 17	100	VOL-E	UT-45L	NRI
Overla	ay UT per p	revious Second Interval Rel	ief Request I2R-48 and S	ection XI A	ppendix Q.				
R-A	R01.15 MRP- 139	1PZR-01-SE-02 PZR "A" SAFETY NOZZLE	1RY03AA-6" : - SAFE END	I3R-01	NOTE 14 NOTE 17	99.7	VOL	UT-45L	Ю

Overlay UT per previous Second Interval Relief Request I2R-48 and Section XI Appendix Q. Examination performed using 45 degree refracted longitudinal wave angle. One spot indication was recorded which was not recorded during baseline examination. Indication has no through-wall depth and is acceptable when compared to Acceptance Standards.



313) I EIVI:	neactor Coolant	System (n i)						
	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comn	nents					3			
R-A	R01.15 MRP- 139	1PZR-01-SE-03 PZR "B" SAFETY NOZZI	1RY03AB-6* .E - SAFE END	13R-01	NOTE 14 NOTE 17	100	VOL	UT-45L	NRI
	y UT per	previous Second Interval R dinal wave.	elief Request I2R-48 and	Section XI A	ppendix Q. I	Examination	performed	using 45 de	gree
R-A	R01.15 MRP- 139	1PZR-01-SE-04 PZR "C" SAFETY NOZZI	1RY03AC-6" .E - SAFE END	I3R-01	NOTE 14 NOTE 17	100	VOL	UT-45L	Ю
		orevious Second Interval R dinal wave.	elief Request I2R-48 and	Section XI A	ppendix Q. I	Examination	performed	using 45 deg	gree
R-A		1PZR-01-SE-05 PZR SPRAY NOZZLE - S	1RY01B-6* AFE END	I3R-01	NOTE 14 NOTE 17	100	VOL	VOL	NRI
		previous Second Interval R dinal wave angles (33, 40,		Section XI A	opendix Q. I	Examination	performed	using numer	ous
R-A	R01.15 MRP- 139	1PZR-01-SE-06 PZR RELIEF NOZZLE - S	1RY02A-6" SAFE END	13R-01	NOTE 14 NOTE 17	100	VOL	UT-45L	NRI
		previous Second Interval Redinal wave.	elief Request I2R-48 and	Section XI Ap	opendix Q. E	Examination	performed	using 45 deg	jree
R-A	R01.11	1RC-05-01 PZR SAFE END - PIPE	1RY11A-14"	I3R-01 I3R-06	NOTE 17	100	VOL-E	UT-45L	NRI
		d with 1PZR-01-SE-01. Request I2R-48 commitment		with ASME	Section XI A	ppendix Q a	ind per prev	ious Second	
R-A	R01.11	1RC-16-01 6"X4" REDUCER - SAFE	1RY01C-4" END	I3R-01 I3R-06	NOTE 17	100	VOL-E	VOL	NRI
		orevious Second Interval Redinal wave angles (33, 40, 4		Section XI Ap	pendix Q. E	Examination	performed	using numer	ous
R-A	R01.20	1RC-16-02 4"X6" REDUCER - ELBOY	1RY01B-6* W	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
ero d	egree perf	ormed to confirm no counte	erbore present. Previousl	y recorded ge	eometry obs	erved below	recordable	levels.	
R-A	R01.11	1RC-16-03 ELBOW - PIPE	1RY01B-6*	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
ero d	egree perf	ormed to confirm no counte	erbore present. Previously	y observed g	eometry obs		recordable		
l-A	R01.11	1RC-16-07 ELBOW - PIPE	1RY01B-6*	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
ero d	egree perf	ormed to confirm no counte	erbore exists. Previously	recorded geo	metry obser	ved below re	ecordable le		
-A	R01.11	1RC-16-08 PIPE - ELBOW	1RY01B-6"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
	egree perf able levels	ormed to confirm thickness	and contour and to confir	m counterbo	re is not pres		geometry ob		
R-A	R01.20	1RC-32-01 SAFE END - ELBOW	1RY03AA-6"	I3R-01 I3R-06	NOTE 17	99.5	VOL	UT-45L	NRI
		revious Second Interval Re linal wave angle.	lief Request I2R-48 and S	Section XI Ap	pendix Q. E	xamination	performed ι	ısing 45 degi	ee



	tion XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Notes	Code Coverage	Required Exam	Actual Exam	Results
Comm	ents		1		1			200	-
R-A	R01.20	1RC-32-07 SAFE END - ELBOW	1RY03AB-6"	I3R-01 I3R-06	NOTE 17	98.8	VOL	UT-45L	NRI
	, ,		I Relief Request I2R-48		pendix Q. I	Examination	performed	using 45 de	egree
R-A	R01.20	1RC-32-13 SAFE END - ELBOW	1RY03AC-6"	I3R-01 I3R-06	NOTE 17	100	VOL	UT-45L	NRI
	, , ,	orevious Second Interva dinal wave.	l Relief Request I2R-48	and Section XI Ap	pendix Q. I	Examination	performed	using 45 de	gree
R-A	R01.20	1RC-35-01 SAFE END - ELBOW	1RY02A-6"	I3R-01 I3R-06	NOTE 17	100	VOL-E	UT-45L	NRI
	, , ,	orevious Second Interva dinal wave.	I Relief Request I2R-48	and Section XI Ap	pendix Q. I	Examination	performed	using 45 de	gree
R-A	R01.20	1RC-35-02 ELBOW - PIPE	1RY02A-6"	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero de	egree perf	ormed to confirm no co	unterbore present. Previ	iously recorded ge	eometry obs	erved below	recordable	levels.	
R-A	R01.20	1RC-35-04 TEE - 6"X3" REDUCE	1RY02A-6" R	I3R-01	NOTE 17	100	VOL-E	UT-0 UT-45	NA NRI
Zero de	egree perf	ormed to confirm count	erbore not present. Prev	riously recorded g	eometry obs	serserved be	elow recorda	able levels.	
B-G-2	B07.50	1SI-23-B1 FLANGED CONNECT	1RY76A-2" ION (8 STUDS)				SUR	VT-1	NRI
VT-1 o	bolting c	ompleted prior to final re	eassembly under WO# 1	277042-01.					



SYSTEM: Safety Injection System (SI)

	ction XI Cat.	Component ID Description	Line Number	Relief Requests	Technical Code Notes Coverage	Required Exam	Actual Exam	Results
Comm	ents					0.75		
		1SI-06-1SI8818B (BLT) 1SI8818B CHECK VALVE sembled for maintenance up	` '	1 \/T-1 and \/T-	NOTE 03 NOTE 16	SUR	VT-1	NRI
		1SI-06-1SI8818B (INT) 1SI8818B CHECK VALVE	1SI05DB-6"	i, vi-i and vi-	NOTE 16	SUR	VT-3	NRI
Valve v	was disas	sembled for maintenance u		1, VT-1 and VT-	3 examinations perform	ed.		
R-A	R01.11	1SI-10-25 PIPE - ELBOW	1SI18FC-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-10-26.01 ELBOW - PIPE	1SI18FC-2"	13R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-18-23 VALVE 1SI8810B - PIPE	1SI08JB-1.5*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-18-24 PIPE - ELBOW	1SI08JB-1.5"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-18-25 ELBOW - PIPE	1SI08JB-1.5*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-18-26 PIPE - ELBOW	1SI08JB-1.5"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-01 BRANCH CONNECTION -	1SI08GA-1.5" PIPE	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-06 COUPLING - PIPE	1SI08HA-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-07 PIPE - FLANGE	1SI08HA-2"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-08 FLANGE - PIPE	1SI08HA-2*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-14 PIPE - ELBOW	1SI08JA-1.5"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-15 ELBOW - PIPE	1SI08JA-1.5*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-16 PIPE - VALVE 1SI8810A	1SI08JA-1.5"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-17 VALVE 1SI8810A - PIPE	1SI08JA-1.5"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-18 PIPE - FLANGE	1SI08JA-1.5"	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-20 PIPE - ELBOW	1SI08JA-1.5*	I3R-01	NOTE 17	VT-2	VT-2	NRI
R-A	R01.11	1SI-19-22 PIPE - ELBOW	1SI08JA-1.5*	I3R-01	NOTE 17	VT-2	VT-2	NRI



SYSTEM: Safety Injection System (SI)

Se	ction XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
	Cat.	Description		Requests	Notes	Coverage	Exam	Exam	
Com	nents								
R-A	R01.11	1SI-19-23 ELBOW - PIPE	1SI08JA-1.5"	I3R-01	NOTE 17		VT-2	VT-2	NRI
R-A	R01.11	1SI-19-24 PIPE - ELBOW	1SI08JA-1.5*	I3R-01	NOTE 17		VT-2	VT-2	NRI
NA	ECCS	1SI-30-23AA PIPE - ELBOW	1SI09AA-10"		NOTE 19	100	VOL	UT-0 UT-45	NA NRI
Zero	degree per	formed to verify weld cor	ntour and confirm no cou	nterbore exists.					
NA	ECCS	1SI-35-54 ELBOW - ELBOW	1SI01A-8"		NOTE 19	100	VOL	UT-0 UT-45	NA NRI
Zero o	degree per	formed for thickness and	counterbore detection.	No counterbore	detetcted.				



Section 3.1.2 Detailed Third Interval Preservice Weld / Component Table

SYSTEM: Safety Injection System (SI)

Sec	tion XI	Component ID	Line Number	Relief	Technical	Code	Required	Actual	Results
Cat.	Item	Description		Requests	Notes	Coverage	Exam	Exam	
Comm	ents								
R-A	R01.11	1SI-06-24 VALVE 1SI8819B - PIP	1SI18FB-2"	I3R-01	NOTE 17	100	SUR	PT	NRI
Existing	g weld wa	s replaced during replace		B under WO# 12	81799-01, do	cumented a	as Weld FW	4A-1.	
R-A	R01.11	1SI-06-24A PIPE - ELBOW	1SI18FB-2"	I3R-01	NOTE 17	100	SUR	PT	NRI
Existing	weld wa	s replaced during replace	ment of Valve 1SI8819	B under WO# 128	31799-01, do	cumented a	as Weld FW	23A-1.	
R-A	R01.11	1SI-10-27.01 PIPE - ELBOW	1SI18FC-2"	I3R-01	NOTE 17	100	SUR	PT	NRI
Replace	ed existin	g weld during replacemer	nt of Valve 1SI8819C ur	nder WO# 609949	9-01. Docum	ented as W	eld FW 5-1		
R-A	R01.11	1SI-10-28.01 VALVE 1SI8819C - PIPI	1Si18FC-2"	I3R-01	NOTE 17	100	SUR	PT	NRI
Replace	ed existin	g weld during replacemen	-	der WO# 609949	9-01. Docum	ented as W	eld FW 6-1		
R-A	R01.11	1SI-23-06-FD VALVE 1SI8819D - PIPI	1SI18FD-2" =	I3R-01	NOTE 17	100	SUR	PT	NRI
Existing	weld wa	s replaced during replace		D under WO# 122	24737-01, do	cumented a	s Weld FW	6-1.	



SYSTEM: Auxiliary Feedwater System (AF)

Section	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comn	nents						
F-A	F01.20	1AF04031X Seismic	1AF02DB-4*			VT-3	NRI
Added	for 3rd In	terval. Reference IWC-122	2(b) ASME SECTION XI, 2003 Ed	tion / Addenda.			
F-A	F01.20	1AF04032V Variable	1AF02DB-4*			VT-3	NRI
Added	for 3rd In	terval. Reference IWC-122	2(b) ASME SECTION XI, 2003 Edi	tion / Addenda. (As Fo	und Load: 64	3#).	
F-A	F01.20	1AF05001R Rigid	1AF02EC-4*			VT-3	NRI
F-A	F01.20	1AF05002X Seismic	1AF02DC-4*			VT-3	NRI
Added	for 3rd In	terval. Reference IWC-122	2(b) ASME SECTION XI, 2003 Edi	tion / Addenda.			
F-A	F01.20	1AF05003V Variable	1AF02DC-4*			VT-3	NRI
Added	for 3rd In	terval. Reference IWC-1222	2(b) ASME SECTION XI, 2003 Edi	tion / Addenda. (As Fo	und Load Set	ting: 488#)	
F-A	F01.20	1AF05067X Seismic	1AF02DC-4*			VT-3	NRI
Added	for 3rd In	terval. Reference IWC-1222	2(b) ASME SECTION XI, 2003 Edi	tion / Addenda.			
F-A	F01.20	1AF06046G Guide	1AF02DA-4"			VT-3	NRI
Added	for 3rd Int	terval. Reference IWC-1222	2(b) ASME SECTION XI, 2003 Edi	tion / Addenda.			
F-A	F01.20	1AF06047R Rigid	1AF02DA-4*			VT-3	NRI
Added	for 3rd Int	erval. Reference IWC-1222	2(b) ASME SECTION XI, 2003 Edit	ion / Addenda.			
F-A	F01.20	1FW10002R Rigid	1FW87BC-3*			VT-3	NRI
F-A	F01.20	1FW10003R Rigid	1FW87BC-3*			VT-3	NRI
Added	for 3rd Int	erval. Reference IWC-1222	(b) ASME SECTION XI, 2003 Edit	ion / Addenda.			
F-A	F01.20	1FW12002R Rigid	1FW87BB-3*			VT-3	NRI
Added	for 3rd Int	erval. Reference IWC-1222	(b) ASME SECTION XI, 2003 Edit	ion / Addenda.			



SYSTEM: Component Cooling System (CC)

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



SYSTEM: Chemical & Volume Control System (CV)

Section	n XI	ISI Identifier	Line Number		Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comn	nents	political and the second secon					
F-A	F01.20	1CV47009X	1CV05B-8*			VT-3	NRI
		(1) Strut					



SYSTEM: Main Steam System (MS)

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



Sectio	ın XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comm	nents						
F-A	F01.10	1CV03003X (1) Strut	1RC28A-3"			VT-3	NRI
F-A	F01.10	1CV06020C (1) Constant Spring Can	1RC36A-3*			VT-3	NRI
Actual	Travel Se	etting: 2 1/2"					
F-A	F01.40	1RC01R REACTOR	1RC01R			VT-3	Ю
emove	ed in supp	vessel support ("A" Cold Leg, "B port of Code Case N-722 Visual, ation) noted.					
F-A	F01.10	1RC16104X Box	1RC22AA-1.5"			VT-3	NRI
F-A	F01.10	1RC16116R Box	1RC22AA-1.5"			VT-3	NRI
F-A	F01.10	1RC17053R (1) Strut	1RC22AB-1.5*			VT-3	NRI
F-A	F01.10	1RC17057X (1) Strut	1RC22AB-1.5*			VT-3	NRI
F-A	F01.10	1RC18031G Box	1RC22AC-1.5"			VT-3	NRI
F-A	F01.10	1RC18032X Box	1RC22AC-1.5"			VT-3	NRI
F-A	F01.10	1RC19041X (1) Strut	1RC22AD-1.5"			VT-3	NRI
F-A	F01.10	1RC19044G U-Bolt	1RC22AD-1.5"			VT-3	NRI
F-A	F01.10	1RC19056R Box	1RC22AD-1.5"			VT-3	NRI
F-A	F01.10	1RY06006X (1) Strut	1RC24AB-4"			VT-3	NRI
F-A	F01.10	1RY06013V (1) Variable Spring Can	1RC24AA-4"			VT-3	NRI
F-A	F01.10	1RY06056X (1) Strut	1RC24AA-4"			VT-3	NRI



SYSTEM: Residual Heat Removal System (RH)

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



SYSTEM: Safety Injection System (SI)

Sectio	n XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comm	nents						
F-A	F01.10	1RB-064A Anchor, integrally attached to pipe	1SI03FB-2*			VT-3	NRI
F-A Ref. D		1RH01SA-INBOARD-SUPPORT SI-1000 Sht. 6A, Rev. A, Sht.6B , Re	1RH01SA v. A ,Dwg.1Sl06A01X Rev. E, 1	SI06A02R Rev. I	K .	VT-3	NRI
F-A	F01.40	1RH01SA-OUTBOARD- SUPPORT	1RH01SA			VT-3	NRI
Ref. D	wgs. 1-Cl	SI-1000 Sht. 6A, Rev. A, Sht.6B , Re	v. A ,Dwg.1SI06A01X Rev. E, 1	SI06A02R Rev. I	К.		
F-A	F01.10	1RH02037R (1) Strut	1SIA4B-8"			VT-3	NRI
F-A	F01.10	1RH02040R (2) Struts	1SIA4B-8*			VT-3	NRI
F-A	F01.10	1RH02064V (1) Variable Spring Can	1SIA4B-8"			VT-3	NRI
As Fou	ind Load	Setting: 1717#.					
F-A	F01.10	1SI01023R Box	1SI05DA-6*			VT-3	NRI
F-A	F01.10	1SI04014V (1) Variable Spring Can	1SI05DB-6"			VT-3	NRI
F-A	F01.20	1SI06105X (1) Strut	1SI01B-24"			VT-3	NRI
F-A	F01.40	1SI06A01X (2) Struts	1RH01SA			VT-3	NRI
F-A	F01.40	1SI06A02R Steel, Attached to Can Valve Asser	1RH01SA nbly			VT-3	NRI
F-A	F01.20	1SI18013X Box	1SI05AB-8"			VT-3	NRI
F-A	F01.20	1SI18039R (1) Rod	1SI05AB-8"			VT-3	NRI
F-A	F01.20	1SI18082R (2) Struts	1SI05AA-8"			VT-3	NRI
F-A	F01.20	1SI18083A Anchor, integrally attached to pipe	1SI05AB-8"			VT-3	NRI
F-A	F01.10	1SI23007R Box	1SI08FA-3*			VT-3	NRI



SYSTEM: Essential Service Water System (SX)

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



SYSTEM: Essential Service Water System (SX)

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



Section 3.1.4 Detailed Preservice Component Support Table

SYSTEM: Reactor Coolant System (RC)

Sec	tion XI	Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes		
Comm	ents						
F-A	F01.40	1RC01BA	1RC01BA			VT-3	NRI
		S.G A					
	•	maintenance VT-3 after rej system cold (10/20/2010) a	pairs specified in EC 381691 were on the distribution of the contract of the c	completed under WO 1	375122. VT-	3 examinat	ions were
F-A	F01.40	1RC01BC	1RC01BC			VT-3	NRI
		S.G C					
Durina	visual exa	amination of 1RC01BC shi	m packs, the upper right nut on the	southwest shim pack v	vas found to	be loose (re	eference IR

During visual examination of 1RC01BC shim packs, the upper right nut on the southwest shim pack was found to be loose (reference IR 1121934). The remaining bolting was tight and intact. Tightened loose bolting and performed post maintenance VT-3 examination with system cold (10/15/2010) and again with system hot (11/4/2010).



SYSTEM: Auxiliary Feedwater System (AF)

Section	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comr	nents						
F-A	F01.20	1AF06004S	1AF02EA-4"		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
=uncti	onally Tes	ted For Service Life Monito	oring.				
F-A	F01.20	1FW12025S	1FW87BB-3"		NOTE 01	VT-3	NRI
		Snubber				FT	NRI



SYSTEM: Containment Spray System (CS)

Sectio	n XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comm	ents						
NA	NA	1CS04010S	1CS02AA-10"		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
Reaso	n for Sel		ng: Mandatory 1st Sample: Design Te	st Plan Grouping DTP	G-1-2.		FT



SYSTEM: Chemical & Volume Control System (CV)

Section	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comn	nents						
NA	NA	1CV30002S	1CV15AD75*		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
Reaso	on for Sel	ection for Functional Testin	g: Mandatory 1st Sample: Design Tes	t Plan Grouping DTP	G-1-1.		
		1CV31007S	1CV15DA75"		NOTE 01	VT-3	NRI
NA	NA	104310073	10 V 10 DA 7 3				/ 41 11
NA	NA	Snubber	10 V 10 DA-173			FT	NRI
		Snubber	g: Mandatory 1st Sample: Design Tes	t Plan Grouping DTP			
		Snubber		t Plan Grouping DTP			



SYSTEM: Main Steam System (MS)

Section	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comn	nents						
F-A	F01.20	1MS01079S	1MS07AA-28"		NOTE 01	VT-3	NRI
		Snubber, integrally attac	hed to pipe			FT	NRI
Snubb	er selecte	ed for Functional Testing fo	or Service Life Monitoring.				



SYSTEM: Reactor Coolant System (RC)

Section Cat.	on XI Item	ISI Identifier Description	Line Number	Relief Technical Requests Notes	Actual Exam	Results
Comn	nents					
F-A	F01.10	1CV15111S Snubber	1RC14AB-2*	NOTE 01	VT-3 FT	NRI NRI
Reasc	n for Sele	ection for Functional Testin	g: Mandatory 1st Sample: Design Test Pla	an Grouping DTPG-1-2.		
F-A	F01.40	1RC01BA-A Snubber	S.G A	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BA-B Snubber	S.G A	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BB-A Snubber	S.G B	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BB-B Snubber	S.G B	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BC-A Snubber	S.G C	NOTE 01	VT-3 VT-3	NRI NRI
F-A	F01.40	1RC01BC-B Snubber	S.G C	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BD-A Snubber	S.G D	NOTE 01	VT-3	NRI
F-A	F01.40	1RC01BD-B Snubber	S.G D	NOTE 01	VT-3 FT	NRI NRI
Function 1-4.	onal test p	oer WO# 1293926. Reason	for Selection for Functional Testing: Man	datory 1st Sample: Design Tes	t Plan Group	ing DTPG-
F-A	F01.10	1RC03006S Snubber	1RC21AC-8*	NOTE 01	VT-3 VT-3	NRI NRI
Reaso	n for Sele		g: Mandatory 1st Sample: Design Test Pla	n Grouping DTPG-1-3.	*10	14111
F-A	F01.10	1RC04005S Snubber	1RC21AD-8"	NOTE 01	VT-3 FT	NRI NRI
Reaso	n for Sele	ction for Functional Testing	g: Mandatory 1st Sample: Design Test Pla	ın Grouping DTPG-1-2.		
F-A	F01.10	1RC17058S Snubber	1RC22AB-1.5"	NOTE 01	VT-3 FT	NRI NRI
Reaso	n for Sele		g: Mandatory 1st Sample: Design Test Pla	n Grouping DTPG-1-1.		
F-A	F01.10	1RC19042S Snubber	1RC22AD-1.5*	NOTE 01	VT-3 FT	NRI NRI
Reaso	n for Sele		g: Mandatory 1st Sample: Design Test Pla	n Grouping DTPG-1-1.		
NA	NA	1RC19060S Snubber	1RC20AD75"	NOTE 01	VT-3 FT	NRI NRI
Reasor	n for Selec		r: Mandatory 1st Sample: Design Test Plai	n Grouping DTPG-1-1.	- •	17



SYSTEM: Residual Heat Removal System (RH)

Secti	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Com	nents						
F-A	F01.10	1RH02012S	1RH01AB-12"		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
		ction for Functional Testing 24493): Design Test Plan C	g: Sample Expansion due to Functiona Grouping DTPG-1-2.	I Test Failure in the	1st Mandator	/ Sample (1S	il09015S,
F-A	F01.10	1RH02047S	1RH01AA-12"		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
the re	placed snu	100 01.					
the re	Diaceo sni						
			450044440		NOTE	\#T.0	
F-A	F01.10	1RH02205AS	1RH01AA-12"		NOTE 01	VT-3	NRI
F-A	F01.10	1RH02205AS Snubber	1RH01AA-12" g: Mandatory 1st Sample: Design Test	Plan Grouping DTP		VT-3 FT	NRI NRI
F-A	F01.10	1RH02205AS Snubber	· · · · · · · · · · · · · · · · · · ·	Plan Grouping DTP		-	
F-A Reaso	F01.10	1RH02205AS Snubber ction for Functional Testing	g: Mandatory 1st Sample: Design Test	Plan Grouping DTP	G-1-2.	FT	NRI
F-A Reaso	F01.10 on for Sele F01.10	1RH02205AS Snubber ction for Functional Testing 1RH02205BS Snubber	g: Mandatory 1st Sample: Design Test		G-1-2. NOTE 01	FT VT-3	NRI NRI
F-A Reaso	F01.10 on for Sele F01.10	1RH02205AS Snubber ction for Functional Testing 1RH02205BS Snubber	g: Mandatory 1st Sample: Design Test		G-1-2. NOTE 01	FT VT-3	NRI
F-A Reaso	F01.10 on for Sele F01.10 on for Sele	1RH02205AS Snubber ction for Functional Testing 1RH02205BS Snubber ction for Functional Testing	g: Mandatory 1st Sample: Design Test 1RH01AA-12* g: Mandatory 1st Sample: Design Test		G-1-2. NOTE 01 G-1-2.	VT-3 FT	NRI NRI NRI
F-A F-A Reaso	F01.10 on for Sele F01.10 on for Sele NA	1RH02205AS Snubber ction for Functional Testing 1RH02205BS Snubber ction for Functional Testing	g: Mandatory 1st Sample: Design Test 1RH01AA-12" g: Mandatory 1st Sample: Design Test 1RH26AB75"		G-1-2. NOTE 01 G-1-2.	VT-3 FT VT-3	NRI NRI NRI
F-A Reaso F-A Reaso NA	F01.10 on for Sele F01.10 on for Sele NA	1RH02205AS Snubber ction for Functional Testing 1RH02205BS Snubber ction for Functional Testing 1RH02217S Snubber	g: Mandatory 1st Sample: Design Test 1RH01AA-12" g: Mandatory 1st Sample: Design Test 1RH26AB75"		G-1-2. NOTE 01 G-1-2.	VT-3 FT VT-3	NRI NRI NRI



SYSTEM: Reactor Coolant System (RY)

Section	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comr	nents						
F-A	F01.10	1RY06027S	1RY01B-6"		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
			ithout having the Code Case OMN-13 snubber was removed 3 times in supp	, ,		snubber prio	r to
F-A	F01.10	1RY06031S	1RY01B-6*		NOTE 01	VT-3	NRI
		Snubber				FT	
						, ,	NRI



SYSTEM: Steam Generator Blowdown System (SD)

Section XI		ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Сотп	ents					20000	
NA	NA	1SD24078S	1SD01CD-2*		NOTE 01	VT-3	NRI
NA		Snubber					



SYSTEM: Safety Injection System (SI)

Cat.	on XI	ISI Identifier	Line Number	Relief Technical Requests Notes	Actual Exam	Results
	Item ments	Description		Listansia hieran		
		4.PU.000.000	101010 01	NOTE	1000	
F-A	F01.10	1RH02069S Snubber	1SI04D-8"	NOTE 01	VT-3 FT	NRI NRI
2000	on for Cole		Cample Expansion due to Eurotions	al Tost Failure in the 1st Mandaton		
		ection for Functional Testing: 3 24493): Design Test Plan Gro	Sample Expansion due to Functiona suping DTPG-1-2.	ar rest railure in the 1st Mandatory	Sample (15	1090155,
NA	NA	1SI01007S	1SI09BA-10"	NOTE 01	VT-3	NRI
		Snubber			FT	NRI
		ection for Functional Testing: \$ 24493): Design Test Plan Gro	Sample Expansion due to Functiona uping DTPG-1-2.	al Test Failure in the 1st Mandatory	Sample (1S	109015S,
F-A	F01.10	1SI01029S	1SI05DA-6"	NOTE 01	VT-3	NRI
. /\	101.10	Snubber	101000/10	1101201	FT	NRI
?easo	on for Sele		Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2.	• •	
F-A	F01.20	1SI01032S	1SI09AA-10"	NOTE 01	VT-3	NRI
		Snubber			FT	NRI
Reaso	on for Sele	ction for Functional Testing:	Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2.		
F-A	F01.10	1SI01034S	1SI05DA-6"	NOTE 01	VT-3	NRI
		Snubber			FT	NRI
Reaso	on for Sele	ction for Functional Testing:	Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2.		
	F01.20	1SI02003S	1SI05CA-8"	NOTE 04	VT-3	NRI
F-A	101.20	101020000	10100CA-0	NOTE 01	V 1*3	1 44 11
F-A	101.20	Snubber	13103CA-6	NOTEUT	FT	NRI
		Snubber	Andatory 1st Sample: Design Test			
		Snubber				
Reaso	on for Sele	Snubber ction for Functional Testing: N	Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2.	FT	NRI
leaso	on for Sele F01.10	Snubber ction for Functional Testing: M 1SI03016S Snubber	Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2.	FT VT-3	NRI
Reason	on for Sele F01.10	Snubber ction for Functional Testing: M 1SI03016S Snubber	flandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2.	FT VT-3	NRI
Reason	F01.10	Snubber ction for Functional Testing: N 1SI03016S Snubber ction for Functional Testing: N	Mandatory 1st Sample: Design Test 1SI05DD-6" Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2.	VT-3 FT	NRI NRI NRI
Reason F-A Reason F-A	F01.10 on for Sele	Snubber ction for Functional Testing: N 1Sl03016S Snubber ction for Functional Testing: N 1Sl03020S Snubber	Mandatory 1st Sample: Design Test 1SI05DD-6" Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01	VT-3 FT VT-3	NRI NRI NRI
Reaso F-A F-A	F01.10 on for Sele	Snubber ction for Functional Testing: N 1Sl03016S Snubber ction for Functional Testing: N 1Sl03020S Snubber	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6*	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01	VT-3 FT VT-3	NRI NRI NRI
Reaso F-A Reaso F-A	F01.10 on for Selection for Selection for Selection for Selection F01.10	Snubber ction for Functional Testing: N 1SI03016S Snubber ction for Functional Testing: N 1SI03020S Snubber ction for Functional Testing: N 1SI03023S Snubber	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10*	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01	VT-3 FT VT-3 FT VT-3 VT-3	NRI NRI NRI NRI NRI NRI
Reaso F-A Reaso F-A Reaso	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele	Snubber ction for Functional Testing: N 1SI03016S Snubber ction for Functional Testing: N 1SI03020S Snubber ction for Functional Testing: N 1SI03023S Snubber	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01	VT-3 FT VT-3 FT VT-3 VT-3	NRI NRI NRI NRI NRI
Reaso F-A Reaso F-A Reaso	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele	Snubber ction for Functional Testing: N 1Sl03016S Snubber ction for Functional Testing: N 1Sl03020S Snubber ction for Functional Testing: N 1Sl03023S Snubber ction for Functional Testing: N	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01	VT-3 FT VT-3 FT VT-3 VT-3	NRI NRI NRI NRI NRI
F-A F-A Reasc F-A Reasc F-A	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele nor for Sele nce IR 112	Snubber ction for Functional Testing: M 1SI03016S Snubber ction for Functional Testing: M 1SI03020S Snubber ction for Functional Testing: M 1SI03023S Snubber ction for Functional Testing: M 24493): Design Test Plan Gro	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional uping DTPG-1-2.	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 I Test Failure in the 1st Mandatory	VT-3 FT VT-3 FT VT-3 VT-3 Sample (1SI	NRI NRI NRI NRI NRI 09015S,
Reasc F-A Reasc F-A Reasc F-A	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele nce IR 112 F01.10	Snubber ction for Functional Testing: M 1SI03016S Snubber ction for Functional Testing: M 1SI03020S Snubber ction for Functional Testing: M 1SI03023S Snubber ction for Functional Testing: M 1SI03023S Snubber ction for Functional Testing: S24493): Design Test Plan Ground Testing: S24493 (Snubber ional and VT-3 examinations)	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional uping DTPG-1-2.	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 I Test Failure in the 1st Mandatory NOTE 01 al Number 16732) was replaced un	VT-3 FT VT-3 FT VT-3 VT-3 Sample (1SI	NRI NRI NRI NRI NRI 09015S,
F-A Heaso F-A Heaso F-A resei	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele nce IR 112 F01.10	Snubber ction for Functional Testing: M 1SI03016S Snubber ction for Functional Testing: M 1SI03020S Snubber ction for Functional Testing: M 1SI03023S Snubber ction for Functional Testing: M 1SI03023S Snubber ction for Functional Testing: S24493): Design Test Plan Ground Testing: S24493 (Snubber ional and VT-3 examinations)	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional uping DTPG-1-2. 1SI05DB-6* required after existing snubber (Seri	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 I Test Failure in the 1st Mandatory NOTE 01 al Number 16732) was replaced un	VT-3 FT VT-3 FT VT-3 VT-3 Sample (1SI	NRI NRI NRI NRI NRI 09015S,
F-A Reasc F-A Reasc F-A resei ew S	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele nce IR 112 F01.10 rvice funct inubber S.	Snubber ction for Functional Testing: Machine Its Institute Its Institut	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional uping DTPG-1-2. 1SI05DB-6* required after existing snubber (Serinal Testing: Service Life Monitoring	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 I Test Failure in the 1st Mandatory NOTE 01 ial Number 16732) was replaced ur NOTE 01	VT-3 FT VT-3 VT-3 Sample (1SI VT-3 FT nder WO# 12	NRI NRI NRI NRI NRI 09015S, NRI NRI 94115.
F-A Reasc F-A Reasc F-A resei ew S	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele nce IR 112 F01.10 rvice funct inubber S.	Snubber ction for Functional Testing: Machine Its Institute Its Institut	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional uping DTPG-1-2. 1SI05DB-6* required after existing snubber (Serinal Testing: Service Life Monitoring	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 I Test Failure in the 1st Mandatory NOTE 01 ial Number 16732) was replaced ur NOTE 01	VT-3 FT VT-3 VT-3 Sample (1SI VT-3 FT nder WO# 12	NRI NRI NRI NRI 09015S, NRI 94115.
F-A Reasc F-A Reasc F-A resei ew S	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele nce IR 112 F01.10 rvice funct inubber S.	Snubber ction for Functional Testing: Machine Its Institute Its Institut	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional uping DTPG-1-2. 1SI05DB-6* required after existing snubber (Serinal Testing: Service Life Monitoring	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 I Test Failure in the 1st Mandatory NOTE 01 ial Number 16732) was replaced ur NOTE 01	VT-3 FT VT-3 VT-3 Sample (1SI VT-3 FT nder WO# 12	NRI NRI NRI NRI 09015S, NRI 94115.
Reasco F-A deasco F-A deasco eferei F-A resel ew S	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele nce IR 112 F01.10 rvice funct chubber S. F01.20 on for Sele	Snubber ction for Functional Testing: Machine Its Institute Its Institut	Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI05DD-6* Mandatory 1st Sample: Design Test 1SI09BD-10* Sample Expansion due to Functional uping DTPG-1-2. 1SI05DB-6* required after existing snubber (Serinal Testing: Service Life Monitoring 1SI05CB-8* Mandatory 1st Sample: Design Test	Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 Plan Grouping DTPG-1-2. NOTE 01 I Test Failure in the 1st Mandatory NOTE 01 ial Number 16732) was replaced ur NOTE 01 Plan Grouping DTPG 1-2.	VT-3 FT VT-3 VT-3 Sample (1SI VT-3 FT oder WO# 12	NRI NRI NRI NRI 09015S, NRI NRI 94115.



SYSTEM: Safety Injection System (SI)

Section	on XI	ISI Identifier	Line Number	Relief	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comr	nents						
F-A	F01.20	1SI09006S	1SI05CB-8"		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
Reaso	on for Sele	ction for Functional Testing	g: Mandatory 1st Sample: Design Tes	t Plan Grouping DTP	G-1-2.		
F-A	F01.10	1SI09013S	1SI05DC-6*		NOTE 01	VT-3	NRI
		Snubber				FT	NRI
Reasc	on for Sele	ction for Functional Testing	g: Mandatory 1st Sample: Design Tes	t Plan Grouping DTP	G-1-2.		
F-A	F01.10	1SI09015AS	1SI05DC-6"		NOTE 01	VT-3	NRI
		Snubber				FT	FAIL
failed identif	ication in (CAPand Engineering Chan	n and was replaced with Serial Numb ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI	affects on piping sys	tem. Sample e	expansion to	snubbers
identif	ication in 0 023S, 1SI	CAPand Engineering Chan 04026S, 1RH02069S, 1RH 1SI09015BS	ge 381733 for evaluation for adverse	affects on piping sys	tem. Sample e	expansion to 38S2. VT-3	NRI
failed identif 1SI03 F-A	F01.10 for Sele	CAPand Engineering Chang 04026S, 1RH02069S, 1RH 1SI09015BS Snubber	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6"	affects on piping sys 103021S, 1SI09038S	tem. Sample 6 1, and 1SI090 NOTE 01	expansion to 38S2. VT-3 FT	NRI NRI
failed identif 1SI03 F-A	F01.10 for Sele	CAPand Engineering Chang 04026S, 1RH02069S, 1RH 1SI09015BS Snubber ction for Functional Testing	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6"	affects on piping sys 103021S, 1SI09038S	tem. Sample 6 1, and 1SI090 NOTE 01	expansion to 38S2. VT-3 FT	NRI NRI
failed identif 1SI03 F-A Reaso Sampl	F01.10 on for Sele	CAPand Engineering Chang 04026S, 1RH02069S, 1RH 1SI09015BS Snubber ction for Functional Testing Test Plan Grouping DTPG	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6* (Sample expansion due to failed snu-1-2.	affects on piping sys 103021S, 1SI09038S	tem. Sample 6 1, and 1Sl090 NOTE 01 eference IR 11	expansion to 38S2. VT-3 FT 124493): Man	NRI NRI edatory 1st
failed identif 1SI03 F-A Reaso Sampl	F01.10 F01.10 F01.10	CAPand Engineering Change 04026S, 1RH02069S, 1RH 1SI09015BS Snubber ction for Functional Testing Test Plan Grouping DTPG 1SI09039S Snubber	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6* (Sample expansion due to failed snu-1-2.	affects on piping sys 103021S, 1SI09038S ubber 1SI09015AS, re	tem. Sample e 1, and 1Sl090 NOTE 01 eference IR 11	expansion to 38S2. VT-3 FT 124493): Man	NRI NRI datory 1st
failed dentif 1SI030 F-A Reaso Sampl F-A	F01.10 F01.10 F01.10	CAPand Engineering Change 04026S, 1RH02069S, 1RH 1SI09015BS Snubber ction for Functional Testing Test Plan Grouping DTPG 1SI09039S Snubber	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6" g (Sample expansion due to failed snu-1-2. 1SI05DC-6"	affects on piping sys 103021S, 1SI09038S ubber 1SI09015AS, re	tem. Sample e 1, and 1Sl090 NOTE 01 eference IR 11	expansion to 38S2. VT-3 FT 124493): Man	NRI NRI datory 1st
failed identif 1SI03 F-A Reaso Sampl	F01.10 on for Sele le: Design F01.10 on for Sele le: Design	CAPand Engineering Change 04026S, 1RH02069S, 1RH 1SI09015BS Snubber ction for Functional Testing Test Plan Grouping DTPG 1SI09039S Snubber ction for Functional Testing	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6" g (Sample expansion due to failed snu-1-2. 1SI05DC-6" g: Mandatory 1st Sample: Design Test	affects on piping sys 103021S, 1SI09038S ubber 1SI09015AS, re	tem. Sample e 1, and 1Sl090 NOTE 01 eference IR 11 NOTE 01 G-1-3.	vT-3 FT 124493): Man VT-3 FT	NRI NRI datory 1st NRI NRI
F-A Reaso F-A Reaso F-A Reaso	F01.10 on for Sele le: Design F01.10 on for Sele F01.10 on for Sele F01.10	CAPand Engineering Change 04026S, 1RH02069S, 1RH 1SI09015BS Snubber ction for Functional Testing Test Plan Grouping DTPG 1SI09039S Snubber ction for Functional Testing 1SI16029S Snubber	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6" g (Sample expansion due to failed snu-1-2. 1SI05DC-6" g: Mandatory 1st Sample: Design Test	affects on piping sys 103021S, 1SI09038S ubber 1SI09015AS, re	tem. Sample e 1, and 1Sl090 NOTE 01 eference IR 11 NOTE 01 G-1-3.	vT-3 FT 124493): Man VT-3 FT VT-3 FT	NRI NRI datory 1st NRI NRI NRI
failed identif 1SI036 F-A Reaso Sampl F-A Reaso F-A	F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele F01.10 on for Sele	CAPand Engineering Change 04026S, 1RH02069S, 1RH 1SI09015BS Snubber ction for Functional Testing Test Plan Grouping DTPG 1SI09039S Snubber ction for Functional Testing 1SI16029S Snubber	ge 381733 for evaluation for adverse 02012S, 1SI01031S, 1SI01007S, 1SI 1SI05DC-6" g (Sample expansion due to failed snu-1-2. 1SI05DC-6" g: Mandatory 1st Sample: Design Test	affects on piping sys 103021S, 1SI09038S ubber 1SI09015AS, re	tem. Sample e 1, and 1Sl090 NOTE 01 eference IR 11 NOTE 01 G-1-3.	vT-3 FT 124493): Man VT-3 FT VT-3 FT	NRI NRI datory 1st NRI NRI NRI



SYSTEM: Reactor Coolant System (RC)

Secti	ion XI	Component ID	Line Number	Relief	Technical	Exam	Results
Cat.	Item	Description		Requests	Notes		Sa. 15 1
Comme	ents						
F-A	F01.40	1RC01BD-B	S.G D		NOTE 01	VT-3	NRI
		Snubber					



SYSTEM: Residual Heat Removal System (RH)

Sec	ction XI	Component ID	Line Number	Relief	Technical	Exam	Results
Cat	. Item	Description		Requests	Notes		
Comn	ents						
F-A	F01.10	1RH02047S	1RH01AA-12"		NOTE 01	VT-3	NRI
		Snubber					

Post maintenance VT-3 examination, existing PSA-3 snubber (Serial Number 9657) was replaced by functionally tested spare (Serial Number 41624) under WO# 1224658-01.



SYSTEM: Safety Injection System (SI)

Sect	tion XI	Component ID	Line Number	Relief	Technical	Exam	Results	
Cat.	Item	Description		Requests	Notes			
omme	ents							
F-A	F01.10	1SI04016S	1SI05DB-6*		NOTE 01	VT-3	NRI	
7.								
	ved existi	Snubber	ober (Serial Number 15517) and te	ited under Service Li	fe Monitorina	Program, rer	laced with	
Remov		ng PSA-3 mechanical snut	ober (Serial Number 15517) and tea 2 in accordance with IWA-4132 rec		fe Monitoring	Program, rep	placed with	
Remov		ng PSA-3 mechanical snut			fe Monitoring NOTE 01	Program, rep 	olaced with	



SYSTEM: Auxiliary Feedwater System (AF)

Section XI Component ID Cat. Item Inspection Notes Requests Requests Requests Requests	
Comments	

C-H C07.10 A01AF-000005-M04-02C

VT-2 NRI

Period ASME Section XI Pressure Test.

Partial examination complete on 7/23/2010, balance of test block was completed on 10/1/2010 when access to AF steam tunnel was available. No indications noted.

SYSTEM: Chemical & Volume Control System (CV)

No recordable indications.

Section XI		Component ID Reli	Relief	Technical	Required	Results
Cat.	Item	Inspection Notes	Requests	Notes	Exam	
omme	ents		•	100		100
С-Н	C07.10	A01CV-000004-M04-01A		NOTE 21	VT-2	iO
		Period ASME Section XI Pressure Test.		NOTE 24		
	2 (IR 109	D) were noted at the following valves: 3212); 1CV210 (also threaded cap, IR 1093210); 1CV110A (202); 1CV471 (IR 1093199); 1CV8355D (IR 1092541); 1CV0				
ICV01	2 (IR 1093 7A (1093)	3212); 1CV210 (also threaded cap, IR 1093210); 1CV110A (
ICV01 109247	2 (IR 109: 7A (1093: 79); 1CV8	3212); 1CV210 (also threaded cap, IR 1093210); 1CV110A (202); 1CV471 (IR 1093199); 1CV8355D (IR 1092541); 1CV0	51D (IR 1092538); 1C	V8384B (IR		
1CV01 109247 Leaks	2 (IR 10937A (109379); 1CV8	3212); 1CV210 (also threaded cap, IR 1093210); 1CV110A (202); 1CV471 (IR 1093199); 1CV8355D (IR 1092541); 1CV0109 (IR 1092474); and 1CV8355C (IR 1092548)	51D (IR 1092538); 1C	V8384B (IR		
1CV01 109247 Leaks	2 (IR 1093) 7A (1093) 79); 1CV8 at mechar	3212); 1CV210 (also threaded cap, IR 1093210); 1CV110A (202); 1CV471 (IR 1093199); 1CV8355D (IR 1092541); 1CV0109 (IR 1092474); and 1CV8355C (IR 1092548) nical connections (pipe caps, compression fittings, etc.) were	51D (IR 1092538); 1C	V8384B (IR		



SYSTEM: Fuel Pool Cooling System (FC)

		Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comm			l e	1	1	1
С-Н	C07.10	A01FC-000001-M04-01C		NOTE 22	VT-2	NR
		Period ASME Section XI Pressure Test.				
No rec	cordable in	dications.				
С-Н	C07.10	A01FC-000001-M04-01D		NOTE 22	VT-2	NR
		Period ASME Section XI Pressure Test.				
No rec	ordable in	dications.				



SYSTEM: Instrument Air System (IA)

		Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comm	ents		•			
С-Н	C07.10	A01IA-000004-M04-01A Period ASME Section XI Pressure Test. Verify Continuo Detection System for Airlock is in operation prior to perfo			VT-2	NRI
		SNOOP or Ultraprobe examination of test boundary.				

RI

Section 3.1.7 Detailed Third Interval Pressure Tests

SYSTEM: Residual Heat Removal System (RH)

Section XI Cat. Item	Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
Comments			1277		
C-H C07.10	A01RH-000003-M04-01A		NOTE 22	VT-2	IND
	Period ASME Section XI Pressure Test. VERIFY loop "A" in service.				
	Pressurize 1A sample line per BwCP 613-3.				
Performed walk	downs on 10/17/201, 10/19/2010 and remainder on 12/3/2010.				
The following in	dications were noted during 10/19/2010 examination:				
Line 1RH02AA-	10" target residue (IR 1128858); dry boron on Valve 1SI8812A actua	tor (IR 112884	(6)		
Dry boron at the	following valve packing: 1RH026A (IR 1129856); 1RH011A (IR 1129856)	9857): 1SI058	A (IR 112986	1)	
•	mp 1RH01PA seal cooler line (previously identified under IR 112071	,,	(4.7.1.2222	• •	
		0)	···-		
C-H C07.10	A01RH-000003-M04-01B		NOTE 22	VT-2	Ю
	Period ASME Section XI Pressure Test. VERIFY loop "B" in service.				
	Pressurize 1B sample line per BwCP 613-3.				
Performed walke	downs on 10/17/201, 10/19/2010 and remainder on 12/3/2010.				
The following inc	dications were noted during 10/19/2010 examination:				
	3" significant boron deposit upstream of Valve 1RH611 (IRs 1128331 n was removed to verify no through-wall pipe leakage).	and 1128397). Determine	d to be from o	old leak
1RH8716B body	-to-bonnet interface (IR 1129888 for gasket replacement in A1R16).				
	king of the following valves: 1RH011B (including pipe cap) (IR 1129 ng) (IR 1129886); 1SI059B (including quick disconnect fitting) (IR 112				cluding
C-H C07.10	A01RH-000003-M04-01D		NOTE 22	VT-2	RI
	Period ASME Section XI Pressure Test.				

C-H C07.10 A01RH-000003-M04-01E NOTE 22 VT-2
Period ASME Section XI Pressure Test.

Performed walkdown on 10/17/2010. Dry boron residue at body-to-bonnet interface of Valve 1SI8818C (previously identified on 10/6/2010, IR 1127298). Bolting evaluated for continued service.

Performed walkdown on 10/16/2010. Dry boron residue at body-to-bonnet of Valve 1SI8818A (IR 1127299), evaluation performed

SYSTEM: Safety Injection System (SI)

Sec Cat.	ction XI	Component ID Inspection Notes	Relief Requests	Technical Notes	Required Exam	Results
omm	nents		- I	·		1
C-H	C07.10	A01SI-000010-M04-01A Period ASME Section XI Pressure Test.		NOTE 22	VT-2	Ю
		block examined in conjuction with 1BwVSR TRM 2.5.c.3 (SI Cold Lo block inspected on 12/3/2010.	eg Injection tes	st, WO# 12914	457) on 10/17.	/2010,
	•	dried boric acid/packing leaks at the following:				
PI-S	1116 (IR 1	149700); 1SI016A (IR 1149729); 1SI8888 (IR 1149790); 1SI051 (IR	1149794)	***************************************		
C-H	C07.10	A01SI-000010-M04-01B Period ASME Section XI Pressure Test.		NOTE 22	VT-2	Ю
netho	od in accor	1B SI pump) discharge flange (IR 1144185). Bolting closest to the signal dance with ASME Section XI IWA-5250(a)(2) under WO# 1391611.				d by VT-3
SI05	0 quick dis	sconnect (IR 1144165); 1SI027D (IR 1144174); 1SI027C (IR 1144174); 1SI027C (IR 1144174); 1SI027C (IR 1144174); 1SI027C (IR 1144212); IR				
C-H	C07.10	A01SI-000010-M04-01C Period ASME Section XI Pressure Test.		NOTE 22	VT-2	NRI
lo red	cordable in	dications.				
C-H	C07.10	A01SI-000010-M04-01D		NOTE 22	VT-2	NRI
Exami	ination per	Period ASME Section XI Pressure Test. formed in conjunction with 1BwVSR TRM 2.5.c.2 for 1A CV pump fl	low balancing.			
O for	dry packin	g leak on 1SI045, outside of test boundary (IR 1127865)				
>-Н	C07.10	A01SI-000010-M04-01F		NOTE 22	VT-2	RI
xami	ination per	Period ASME Section XI Pressure Test. formed in conjunction with RPV cavity fill under 1BwOSR 5.5.8.RH-	6 usina BwOP	RH-8.		
₹I for	unquantifia	able weeping at body-to-bonnet interface of 1SI8841B (IR 1116141 Code Case N-566-2, WR 00356995 initiated to clean/tighten bolting	and 1164972).	Evaluation o	f bolting perfo	rmed in
) leal	ks at packi	ing/mechanical connections on the following:				
S1090	0 (IR 1123	717); 1SI089 pipe cap (IR 1123715); 1SI8825 (IR 1123714); dry boi	ric acid residue	on Line 1SI0	4B-12" (IR 11:	25134)
 -H	C07.10	A01SI-000010-M04-01G		NOTE 22	VT-2	10
		Period ASME Section XI Pressure Test.				
) indi	ication of p	acking leak at 1SI8888 (IR 1149790)				
-Н	C07.10	A01SI-000010-M04-01J		NOTE 22	VT-2	Ю
A C1		Period ASME Section XI Pressure Test.				
		or. Snoop solution used on nitrogen side of accumulator.				
		at 1SI8878A (IR 1134696).				
)-H	C07.10	A01SI-000010-M04-01K Period ASME Section XI Pressure Test.		NOTE 22	VT-2	NRI
		I CHOO MOINE OCCUON ALL ICASUIC 1031.				



SYSTEM: Safety Injection System (SI)

Section XI		Component ID	Relief	Technical	Required	Results
Cat.	Item	Inspection Notes	Requests	Notes	Exam	
Comm	ents					
С-Н	C07.10	A01SI-000010-M04-01L		NOTE 22	VT-2	NRI
		Period ASME Section XI Pressure Test.				
1C SI	accumula	tor. No recordable indications. Snoop solution used on nitrog	gen side of accumula	tor.		
1SI04	TC pneum	atic test completed on 11/2/2010 for post maintenance test for	or WO# 1294485 acti	vities.		
С-Н	C07.10	A01SI-000010-M04-01M		NOTE 22	VT-2	10
		Period ASME Section XI Pressure Test.				
1D SI	accumulat	tor. Snoop solution used on nitrogen side of accumulator.				
IO indi	ication for	dry boric acid residue 1SI8878D (IR 1134697).				
C-H	C07.10	A01SI-000010-M04-01P		NOTE 22	VT-2	NRI
		Period ASME Section XI Pressure Test.				
No rec	ordable in	dications.				

SYSTEM: Essential Service Water System (SX)

Section XI	Component ID	Relief	Technical		Results
Cat. Item	Inspection Notes	Requests	Notes	Exam	
Comments				10 m	
C-H C07.10	A01SX-000011-M04-01N			VT-2	Ю

Period ASME Section XI Pressure Test.

1B RCFC completed 10/10/2010, 1D RCFC completed 10/12/2010. Piping outside of plenums (377' and 401' elevations) was examined on 10/3/2010. Minor corrosion was noted for information on bolting on Valves 1SX021B and 1SX025C (reference IR 1134644), WO# 1384275 initiated to clean and coat Valves 1SX021A, 1SX021B, 1SX021C, a1SX021D, 1SX025A, 1SX025B, 1SX025C, and 1SX025D during A1R16.

C-H C07.10 A01SX-000011-M04-01P

VT-2 NRI

Period ASME Section XI Pressure Test.

1A RCFC completed on 10/16/2010, 1C RCFC completed on 10/6/2010. Piping outside of plenums (377' and 401' elevations) was examined on 10/3/2010. Minor corrosion was noted for information on bolting on Valves 1SX021B and 1SX025C (reference IR 1134644), WO# 1384275 initiated to clean and coat Valves 1SX021A, 1SX021B, 1SX021C, a1SX021D, 1SX025A, 1SX025B, 1SX025C, and 1SX025D during A1R16.



SYSTEM: Plant Systems Pressurized During Mode 3 (ZZ)

Sec	tion XI	Component ID	Relief	Technical	Required	Results
Cat.	Item	Inspection Notes	Requests	Notes	Exam	
Commi	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		
Systen	n leakage	test at conclusion of A1R15. No recordable indications noted in Clas	s 1 systems.	ı		



SYSTEM: Chemical & Volume Control System (CV)

Sei Cat	ction XI	Component ID Description	Relief Requests	Technical Notes	Actual Exam	Results
Comn	nents			1	-	1
B-P	B15.10	PG-2546C-014 F-2-2 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Comp	onent is L	ocated Inside Containment				
C-H		PG-2546C-018 F-1-5 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Comp	onent is L	ocated Inside Containment				
C-H		PG-2546C-020 F-1-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
		ocated Inside Containment			. – -	
C-H		PG-2546C-022 F-2-3 (C-H) FLANGED CONNECTION (4 STUDS) ccated Inside Containment			VT-2	NRI
					VT 0	NO
C-H Comp		PG-2546C-041 F-1-1 (C-H) FLANGED CONNECTION (4 STUDS) cated Inside Containment			VT-2	NRI
С-Н	C07.10	PG-2546C-063 F-1-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Compo	onent is Lo	ocated Inside Containment				
С-Н	C07.10	PG-2546C-068 F-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Compo	onent is Lo	ocated Inside Containment				
С-Н	C07.10	PG-2546C-083 FL-1-2 (C-H) FLANGED CONNECTION (8 STUDS)			VT-2	NRI
Compo	onent is Lo	ocated Inside Containment				
C-H		PG-2546C-089 FL-1-1 (C-H) FLANGED CONNECTION (8 STUDS)			VT-2	NRI
Compo	onent is Lo	cated Inside Containment	 			
С-Н		PG-2546C-090 F-1-1 (C-H) FLANGED CONNECTION (8 STUDS)			VT-2	NRI
Compo	onent is Lo	cated Inside Containment				
B-P		PG-2546C-091 F-2-3 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Compo		cated Inside Containment				
C-H		PG-2546C-093 F-1 (C-H) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Compo		cated Inside Containment				
B-P		PG-2546C-101 F-2-3 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Compo	nent is Lo	cated Inside Containment				



SYSTEM: Pressurizer (PZR)

Section	n XI	Component ID		1	Technical	Actual	Results
Cat.	Item	Description		Requests	Notes	Exam	
Comment	ts			*			
B-P B	15.10	1PZR-01-B1 (B-P)				VT-2	NRI
		MANWAY BOLTING (10	3 TOTAL)				
Componer	nt is Lo	cated Inside Containmer	nt				



SYSTEM: Reactor Coolant System (RC)

Ser Cat		Component ID Description	elief equests	Technical Notes	Actual Exam	Results
B-P		1RC-19-B3 (B-P) FLANGED CONNECTION (4 STUDS)			VT-2	NRI
Comp	onent is Lo	ocated Inside Containment				
B-P		1RC-20-B1 (B-P) FLANGED CONNECTION (4 STUDS) coated Inside Containment			VT-2	NRI
B-P		1RC-23-B1 (B-P) FLANGED CONNECTION (4 STUDS) cated Inside Containment			VT-2	NRI
B-P		1RC-27-B1 (B-P) FLANGED CONNECTION (4 STUDS) cated Inside Containment			VT-2	NRI
			 		\ <i>T</i> .0	A I PSI
B-P Comp		1RV-03-STUDS (01 TO 54, B-P) CLOSURE HEAD STUDS (54 TOTAL) ccated Inside Containment			VT-2	NRI
					VT-2	NRI
B-P	B15.10	1SG-05-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			V 1-2	INITI
Compo	onent is Lo	ocated Inside Containment				
B-P	B15.10	1SG-05-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Compo	onent is Lo	cated Inside Containment	 			
В-Р	B15.10	1SG-06-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Compo	onent is Lo	cated Inside Containment	 			
B-P	B15.10	1SG-06-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Compo	onent is Lo	cated Inside Containment	 			
B-P		1SG-07-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Compo	onent is Lo	cated Inside Containment				
B-P	B15.10	1SG-07-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Compo	nent is Lo	cated Inside Containment				
В-Р		1SG-08-SGB-01 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Compo	nent is Lo	cated Inside Containment		····		
В-Р	B15.10	1SG-08-SGB-02 (B-P) PRIMARY MANWAY (20 STUDS)			VT-2	NRI
Compo	nent is Lo	cated Inside Containment	 			



SYSTEM: Residual Heat Removal System (RH)

Sec Cat.	tion XI	Component ID Description		Relief Requests	Technical Notes	Actual Exam	Results
Comm	ents			1		1	
С-Н		1RH-02 F-1-1 (C-H) FLANGED CONNECTION (20 STUDS)				VT-2	NRI
Compo	onent is lo	cated Outside Containment					
C-H		1RH-02 F-2-1 (C-H) FLANGED CONNECTION (20 STUDS) cated Outside Containment				VT-2	NRI
Comp	onent is to	cated Outside Containment					
C-H		1RH-02 F-4 (C-H) FLANGED CONNECTION (8 STUDS)				VT-2	NRI
Comp	DIETE IS IO	cated Outside Containment	,,,,				
C-H		1RH-03 F-2 (C-H) FLANGED CONNECTION (24 STUDS) cated Outside Containment				VT-2	NRI
Compe							
C-H		1RH-05 F-1 (C-H) FLANGED CONNECTION (24 STUDS)				VT-2	NRI
Compo	onent is lo	cated Outside Containment					
C-H		1RH-05 F-2 (C-H) FLANGED CONNECTION (24 STUDS)				VT-2	NRI
Compo	onent is lo	cated Outside Containment					
C-H		1RH-05 F-3-1 (C-H) FLANGED CONNECTION (12 STUDS)				VT-2	NRI
Compo	nent is lo	cated Outside Containment				······································	
С-Н		1RH-06 F-1-1 (C-H) FLANGED CONNECTION (12 STUDS)				VT-2	NRI
Compo	onent is loo	cated Outside Containment					
C-H	C07.10	1RH-07 F-2-1 (C-H) FLANGED CONNECTION (20 STUDS)				VT-2	NRI
Compo	nent is lo	cated Outside Containment					
С-Н	C07.10	1RH-07 F-3-1 (C-H) FLANGED CONNECTION (20 STUDS)				VT-2	NRI
Compo	nent is lo	cated Outside Containment					
C-H		1RH606 (C-H) 1RH606 VLV (4 STUDS)				VT-2	NRI
Compo	nent is loc	cated Outside Containment					



4.0 NIS-1 FORM

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

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

1. Owner	Exelon Generation Company (EGC, LLC), 200 Exelon Way, Kennett Square, F	PA, 19348
	(Name and Address of Owner)	
2. Plant	Braidwood Station, 35100 South Route 53, Suite 84, Braceville, Illinois 60450	
	(Name and Address of Plant)	
3. Plant Un	nit 4. Owner Certificate of Authorization (if required)	Not Applicable
5. Commer	rcial Service Date 7/29/1988 6. National Board Number for Unit	N-195
7 Compon	nents Inspected See Section 3 of this report for all components (report is a total	al of 99 pages).

Component or Appurtenance	Manufacturer Or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel 1RC01R	Babcock & Wilcox	640-0014-52	B-24360	N-195
Pressurizer 1RY01S	Westinghouse	2101	U-199012	18696
Residual Heat Removal 1RH02AA	Joseph Oats	2267-1E	Not Applicable	840
Steam Generator 1RC01BA	ComEd / BWI	7735-01	U-237763	168

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

		FORM NIS-1 (Back)
8.	Examination Dates:	June 11, 2009 to January 12, 2011
9.	Inspection Period Identification:	1 st Period, Third Interval - From July 29, 2008 through July 28, 2011 (except Category B-B which ended October 7, 2010)
10.	Inspection Interval Identification:	3 rd Interval - From July 29, 2008 through July 28, 2018
11.	Applicable Edition of Section XI	2001 Edition Addenda 2003 Addenda
12.	Date/Revision of Inspection Plan:	August 4, 2010 / Revision 3
13.	Abstract of Examination and Tests 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	s and Tests. See Attached Sections 2 and 3.
15.	Abstract of Corrective Measures.	See Attached Sections 2 and 3.
Inspe		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	ble) Not Applicable Expiration Date Not Applicable
Date	February 1 20 11 Sig	ned Exelon Nuclear Braidwood Station
Ву	February 1 20 11 Sig Brindar J. Casey Owner	Braidwood ISI Program Manager
	CERTIF	ICATE OF INSERVICE INSPECTION
Ins Ins dur the Ow By	pectors and the State or Province of urance Company of Connecticut having the period <u>Langer of to over the period to the period</u>	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, and tests and taken corrective measures described in this Inspection Plan and as required by the ASME Code, Section XI.
Fui	rthermore, neither the Inspector nor	his employer shall be liable in any manner for any personal injury or arising from or connected with this inspection.
1	Inspector's Signature	National Board, State, Province, and Endorsements
Dat		20 <u>\\</u>

Exelon.

Braidwood Station Unit 1

A1R15 ISI Outage Report

Code Category	Code Item Number	Total Number Selected (Interval)	Total Number Examined in A1R15	Current Percentage Completed for Category
B-A	B1.30	1	0	0%
	B1.40	1	0	0 /6
B-B	B2.11	2	0	3/5 = 60%
	B2.12	2	0	*Credited to Second Period
	B2.40	1	1*	Credited to Second Feriod
B-D	B3.110	6	2	
	B3.120	6	2	4/20 = 20%
	B3.140	8	0	
B-K	B10.10	1	1	1/3 = 33%
	B10.20	2	0	1/3 = 33%
B-N-1	B13.10	1	1	Once per period
B-P	B15.10	Every Outage	1	Not Applicable
B-Q	B16.20	Per Technical Specifications	0	Not Applicable
C-A	C1.10	2	0	
	C1.20	2	0	1/5 = 20%
	C1.30	1	1	
C-B	C2.21	5	1	0/0 000/
	C2.22	1	1	2/6 = 33%
C-C	C3.10	1	1	
	C3.20	10	0	5/14 = 35.7%
	C3.30	3	0	
C-H	C7.10	38	22	Once per period
D-A	D1.10	6	2	
	D1.20	13	4	6/20 = 30%
	D1.30	1	0	
D-B	D2.10	35	11	Once per period
E-A	E1.11	256	256	
	E1.30	1	1	Once per period
E-C	E4.11	19	19	100%
F-A	F1.10	199	21	
	F1.20	175	34	100/500 000/
	F1.30	151	32	180/562 = 32%
	F1.40	37	9	
L-A	L1.11	2	0	0%
L-B	L.2.10	965	0	0%
R-A	Butt Welds	186	18	
	Socket Welds	123 Welds Every Outage	123	44/186 = 23.7%



Braidwood Station Unit 1 A1R15 ISI Outage Report

5.0 REPORT OF CONTAINMENT DEGRADATION

Containment inspections are performed in accordance with Subsection IWE (Requirements for Class MC and Metallic Liners of Class CC Components of Light-Water Cooled Power Plants) and Subsection IWL (Requirements for Class CC Components of Light-Water Cooled Power Plants) of ASME Section XI, Division 1, with specified modifications and limitations in 10 CFR 50.55a. The following sections are included in the Inservice Inspection Summary report as required by IWA-6000 of ASME Section XI to meet the reporting conditions specified in 10CFR 50.55a(b)(2)(ix)(A)(1) through (3).

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

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

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

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

5.1 A1R15 Containment Metal Liner Examinations (IWE)

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

Exelon Procedures ER-AA-330-007, "Visual Examination of ASME Section XI Class MC Surfaces and Class CC Liners", ER-AA-335-018, "Detailed, General Visual, VT-1, VT-1C, VT-3 and VT-3C, Visual Examination of ASME Class MC and CC Containment Surfaces and Components", and ER-AA-335-004 "Ultrasonic Measurement Of Material Thickness and Interfering Conditions" were used to perform the examinations.

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

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

Extent of condition:

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



Braidwood Station Unit 1 A1R15 ISI Outage Report

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

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

Description of the conditions that led to the degradation:

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

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

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

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

Corrective Actions Completed During A1R15

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



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

Proposed Actions for A1R16

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

Conclusions/Findings

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



Braidwood Station Unit 1 A1R15 ISI Outage Report

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

SUMMARY OF NIS-2 FORMS

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

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

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

Total NIS-2 Forms 19

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

1.	Owner: Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348					Date 11/18/2010 Sheet 1 of 1			
2.		Braidwood Station 00 S. Rte. 53, Suite 84	, Braceville, IL 604	07				ob No., etc	
3.	Work Performe Address: 3640	ed By: Shaw / Stone & 00 South Essex Road,	Webster Wilmington, IL 604	181	Autho	Code Symbol Stam rization No.: None tion Date: None			
4.	Identification of	f System: Chemical V	olume and Control	(CV) (Class 2		don Date. None			
	(b) Applicable E (c) Section XI C	Construction Code: AS dition of Section XI Ut dode Cases used: Nor	ilized for Repair/Re	74 Edition, Wineplacement: 2	ter 1975 Addenda 001 Edition with 2	, No Code Cases 003 Addenda			
6.	Identification of Com	ponents:							
Nam	e of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)	
3ody-to	g Valve Cover and o-Cover Seal Weld lve 1CV8368B	Borg Warner	Not Recorded	Not Applicable	Valve 1CV8368 B	Not Recorded	Removed	Yes (Valve)	
3ody-to W	o-Cover Seal Weld leld Electrode 2" ER316/316L	Arcos Industries, LLC	Lot/Alloy CT8660 Heat 734816	Not Applicable	Cat ID 8500-1 UTC 2808606	2007	Installed	No	
Type	Tests Conducted: Remarks: Seal we ascending Mode 3 weld filler material weld for the statement of the statement code Symbol Stamp	Other lids are exempt from S walk down on 11/4/20 was attached at the tine	Preumatic Nom Pressure ection XI pressure 10 after four hour har of final review and that the correct and that	psig Test test requirement and very maintained FICATE OF CO this conforms (zation No.: No.: No.: No.: No.: No.: No.: No.:	Pressure Exe Temp °F ents per IWA-4540 vas found acceptated on file. DMPLIANCE to the requirement	mpt (b)(8), however the ble. Applicable documents of the ASME Co	valve was examin cumentation for re	ned during the	
Signe	d <u>79/L17/L37</u> Owner or Ow	ner's Designee, Title	ISI Coor	dinator [Date ////8	_, 20 <u>12</u>		<u> </u>	
			CERTIFICA	TE OF INSER	VICE INSPECTIO	N			
and ento the accord	mployed by HSBCT best of my knowled dance with the required	g a valid commission is of CT have inspected ge and belief, the Own rements of the ASME	the components deter has performed e Code, Section XI.	escribed in this examinations a	Owner's Report d and taken corrective	luring the period 2/ e measures descri	10/2010 to 11/18/2 bed in this Owner	2010, and state that s Report in	
measi	ures described in this	neither the Inspector n s Owner's Report. Full of any kind arising fro	thermore, neither t	he Inspector n	or his employer sh				
7	Inspector's Signa	Achell Iture	······································		_ Commissions _	<i>NB 7920 AN</i> ational Board, State	81, /4-02. e, Province, and E	209-IC Indorsements	
Date	//-19 2016						,		

1. Owner : Exe Address: 300 E:		et 1 of 2					
2. Plant Name: Br Address: 35100	aidwood Station S. Rte. 53, Suite 84	, Braceville, IL 604	07			: <u>1</u> k Order #0122747	'0- <u>01</u>
	By: Shaw/Stone & South Essex Road,		181		Rep Type Autr	air Organization P Code Symbol St orization No.: No ration Date: None	.O., Job No., etc amp: None ne
4. Identification of S	ystem: CV (Chemic	cal and Volume Co	ntrol) (Class 2)	CAPI	ration bate. None	•
(b) Applicable Edit	ion of Section XI Ut le Cases used: Nor	ping: ASME Section of the properties of the prop	on III 1974 Edi	tion, Summer 1975	Addenda, No Co		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Globe Valve 1CV8345 and associated piping and U-bolt	Not Recorded	Not Recorded	Not Applicable	1CV8345 Support 1CV0110G	Not Recorded	Removed	Yes
2" Globe Valve	Flowserve Corporation	96BNC	Not Applicable	Cat ID 1969-1 UTC 2827245	2009	Installed	Yes
2" Seamless Pipe	Sandvik Materials Technology	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2847874	2005	Installed	No .
U-Bolt for 2" Pipe	Bergen Power	None	Not Applicable	Cat ID 24580-1 UTC 2741727	2006	Installed	No
5/8"-11Heavy Hex Nuts	Nova Machine Products	Heat 87064 Lot 50134197	Not Applicable	Cat ID 47197-1 UTC 2805986	19 99	Installed	No
and was replaced. So 8. Tests Conducted: 9. Remarks: Section XI all components (Form	Hydrostatic FO	Pneumatic Nom Pressure 253	inal Operating 34 psig Tes	Pressure Exer at Temp. 100 °	e on 114/2010. A		
We certify that the statemen Type Code Symbol Stamp: Signed		rt are correct and ti	zation No.: No	the requirements	of the ASME Code	e, Section XI.	
I, the undersigned, holding a and employed by HSBCT of the best of my knowledge ar accordance with the requirer By signing this certificate ne measures described in this corroperty damage or a loss of the control of	CT have inspected of belief, the Owner ments of the ASME ither the Inspector nowner's Report. Full	ssued by the Nation the components do has performed exa Code, Section XI. or his employer mathermore, neither the	nal Board of Bo escribed in this aminations and akes any warra the Inspector n	Owner's Report do I taken corrective many, expressed or in or his employer shapen.	Vessel Inspectors uring the period 4/ leasures describe mplied, concerning all be liable in any	2/2010 to 1/31/20 d in this Owner's f	11, and state that to Report in s and corrective
Inspector's Signatu	re			Commissions Na	IL1085 ational Board, Stat	e, Province, and E	Endorsements
Date 1-31 , 2011			Page 6-	3			

Exelon Generation Co., LLC 1.

Address: 300 Exelon Way, Kennett Square, PA 19348

Date 1/31/2011 Sheet 2 of 2

Plant Name: Braidwood Station 3.

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

Unit: _1_

Work Order #01227470-01

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

Work Performed By: Shaw / Stone & Webster 3.

Address: 35100 South Route 53, Suite 84, Braceville, IL 60407

Type Code Symbol Stamp: None

Authorization No.: None

Expiration Date: None

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

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

Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases

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

Section XI Code Cases used: None (c)

Identification of Components:

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

Brenden J. Casey
1/31/2011

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

As	s Required by the Provi	sions of the ASME Co	de, Section III, Division	Pg. 1 of
Manufactured and certifie	ed by Flowserve Corporation	, 1900 South Saunders St. R.	aleigh, NC 27603 m of N Certificate Holder)	
2. Manufactured for Exch	on Business Services, An Exe	on Company P.O. Box 80538	88 Chicago, IL 60680-5388	
3. Location of installation	Braidwood Station East of IL		113 Braidwood, IL 60408	
4. Model No., Series No., or	Type 1500 Y-GLOBE	Drawing W-D-9909-(1)/725770	034 _{Rev.} L	CRN N/A
5. ASME Code, Section III, D	Division 1: 1971	WINTER 1972 (addende dese)	(class)	N/A (Code Case no.)
Pump or valve Valve	Nominal inlet size	Outlet si	Ze	·
Material: (a) valve Body SA18 (b) pump Casing	I2-F316 Bonnet SA479-316	Disk <u>SA479-316</u> Bo Bolting	olting N/A	
(a) Cert. Holder's Serial No.	(b) Nat'1 Board No.	(c) BodylCaeing Seriet No.	(d) Bonnet/Cover Seriel No.	(a) Disk Sarial No.
93BNC	N/A	AS-105	E40252-33	21450-5
94BNC	NA	A5-106	E40252-34	21450-6
95BNC	N/A	AS-107	E40252-35	21450-7
968NC	N/A	AS-108	E40252-36	21450-8
	-			

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

FORM NPV-1 (Back — Pg. 2 of 2

					Certificate Holder's Serial	No. 93BNC THRU 96I
8.	Design conditions	2580 psi .	650 (temperature)	_ °F or valve pressure c	lass 1500	
9.	Cold working pressure	3600	osi at 100°F			
10.	Hydrostatic test	psi. Disk	differential test press	3960 ure		
11,	Remarks: <u>S.O. 50713</u> YOKE: MAT'L: SA105.	HEAT: 20681-2 S/N 7 T	HRU 10			
			CERTIFICATIO	N OF DESIGN		
	sign Specification certifi sign Report certified by					Reg. no. <u>18379-E</u> Reg. no. <u>028656</u>
AS	ME Code, Section III, D Certificate of Authorizati	ivision 1. on No.	N-1562	•	conforms to the rules fo	r construction of the
Det	2/36/09	Name Flowserve Corp	Oration N Certificate Holder)	Signed	(authorized epres	entative)
			CERTIFICATE, O	F INSPECTION		
l, th	ALC	mployed by	ed by the National Bo	pard of Boiler and Pressu HSB CT	ire Vessel Inspectors and	the State or Province
By : in th	2/26/09 accordance with the ASM signing this certificate ne his Data Report. Furthern	IE Code, Section III, Divis	e best of my knowled sion 1. s employer makes an er nor his employer si	ge and belief, the Certific	imp, or valve, described in ate Holder has constructed r implied, concerning the c ner for any personal injury	this pump, or valve,
Date	2/26/09 s	igned (Althorized	Nuclear inspector)	Commissions	C. 1549 et'l. Bd. (Incl. andorsements) and s	The or many and on l
		C.,	O Company	i i i		- u prov. and no.;

1. Owner : Address:	Exelon Generation Co. 300 Exelon Way, Kennett		1	Date 10/28/2010 Sheet 1 of 1				
	e: Braidwood Station 35100 S. Rte. 53, Suite 84	4, Braceville, IL 604	07		er #01362511-0	<u>01</u> anization P.O., Jo	b No., etc	
	ormed By: Braidwood Sta 35100 S. Rte. 53, Suite 84			Authoriza	e Symbol Stam tion No.: None Date: None	p: None		
4. Identification	on of System: MS (Main S	Steam) (Class 2)						
(b) Applicat	ole Construction Code: As ole Edition of Section XI U XI Code Cases used: No	tilized for Repair/Re						
6. Identification of	Components:	7	T	T	T	T	r	
Name of Compone	nt Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)	
Main Steam Safet (Position 1MS016D		Not Recorded	Not Applicable	Valve 1MS016D	Not Recorded	Removed	Yes	
Main Steam Safety Va	Consolidated/ Dresser	BR09605	Not Applicable	Cat ID 1445340-1 UTC 2867307	1977	Installed	Yes	
spare and was refurbished at NWS Technologies under Purchase Order 454202 Equ (33/1201) 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other Pressure 1087 psig Test Temp. 559 °F 9. Remarks: Applicable documentation (Form NVR-1 for refurbished valve) was attached at the time of final review and is maintained on file. CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Sundary Laser Isl Coordinator Date 10/28 , 20 10 Owner or Owner's Designee, Title								
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Illinois and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 8/16/2010 to 1028/2010, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 National Board, State, Province, and Endorsements								
•	2010					,		

154664

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

1. Work performed by:		ologies, LLC ulevard, Spartanb		turchase Or 19306	der#454	204
2. Work performed for:	Exelon - Byron I	Nuclear Station				
3/4. Owner - name, add 4450 N. German C			wer plant	Exelon,	Byron Nuclear S	Station
5. a: Repaired pressure b: Name of manufac c: Identifying nos.		Main Steam Safe ated / Dresser	ty Valve			
c. locatorying ros.	3707R	BR09605	<u>n</u>	/a ste	<u>6</u>	77
d: Construction Code	(type) a: ASME Section	(mfr's S/N) on III 11	(NI 974	B#) (ser 	vice) (siz 	(yr.built) 2
	(name/section/	, , , , , , , , , , , , , , , , , , , ,	lition)	(addenda)	(Code Cases(s))	(Code Class)
6. ASME Code Section	XI applicable for	inservice inspectio	n:	2001	2003 (addenda)	n/a
7. ASME Code Section	rs, replacements:		(edition) 2001	2003	(Code Case(s)) n/a	
8. Construction Code us	placements:		(edition) 1974	(addenda) n/a	(Code Case(s)) n/a	
	·	•		(edition)	(addenda)	(Code Case(s))
9. Design responsibilitie	s: <u>n/a</u>					
 Opening pressure: Set-pressure adjust 		NWS Technol	ogies, LL	<u>c</u>	sing <u>steam</u>	
11. Description of work inspected, cleaned,	•					id disc and nozzie,
12. Remerks: No parts	replaced. NWS	Traveler # 10-151.	Valve shi	pping to Bra	idwood Station.	
		CERTIFICATE OF				
report are correct and ti		at to the best of my ation or replacemb				
conforms to Section XI						
National Board Certifica National Board Certifica				"VR" stamp "NR" stamp		il 3, 2012. Il 9, 2012.
8/17/2010 NWS	Technologies, L Repair Organization		C	. Q		Manager, QA Title
		CERTIFICATE OF	FINSPEC	TION		
I, Charles F. Toeg		valid commission				
Vessel Inspectors and oby Hartford Steam Bo		petency issued by	ine junsai			and employed epair, modification
or replacement describe	ed in this report o	n 17 Aug 2010	and state	that to the b	est of my knowle	edge and belief,
this repair, modification Code and the National	•			dance with	Section XI of the	of the ASME
By signing this certifical	e, neither the un	dersigned nor my e	mployer i			
concerning this repair, and my employer shall to		•		•		
arising from or connect			}	, proporty o	(U)	. arry norm
\$/17/10	Johnsley	E JULY !		# 8462, A,		
/ Dafe	// Inspector	s(Bigneture /	Соп	nmissions (NB	(incl endorsements)	, jurisdiction,& no.)

1.		elon Generation Co. Exelon Way, Kennett	3	Date 11/ Sheet 1 c				
2.		Braidwood Station S. Rte. 53, Suite 84	, Braceville, IL 604	107		ler #01336747-	<u>01</u> janization P.O., Jo	ob No., etc
3.		By: Shaw/Stone & S. Essex Road, Wil			Authoriza	le Symbol Stam tion No.: None n Date: None		
4.	Identification of S	System: MS (Main S	Steam) (Class 2)					
	(b) Applicable Ed		ilized for Repair/Re		nmer 1974 Addenda, 001 Edition with 2003		3	
6.	dentification of Comp	onents:		T	r	ı	T	1
Nan	ne of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
	017C Main Steam Safety Valve nlet flange bolt	Not Recorded	Not Recorded	Not Applicable	Valve 1MS017C	Not Recorded	Removed	No
Threa	ded Rod (1 3/8"-8)	Nova Machine Products / Linus Products, Inc.	Heat 57748 Lot 50183185 Trace Code 3L37	Not Applicable	Cat ID 37106-1 UTC 2844900	2009	Installed	No
8.	Description of Work: Tests Conducted: Remarks: Applicable	Hydrostatic P	neumatic Nom	inal Operating	Pressure ☐ Exemple_ psig Test Temp.	t ⊠ Not Applicable	√	n file.
Туре	y that the statements Code Symbol Stamp: Bundan Owner or Owner	•	re correct and this	ization No.: No	e requirements of the	ASME Code, S	Section XI.	
and em to the t accord By sign measur	indersigned, holding a nployed by HSBCT of best of my knowledge ance with the requirer ning this certificate nei res described in this C	CT have inspected and belief, the Own- ments of the ASME (ither the Inspector no Owner's Report. Fur	ssued by the Nation the components de er has performed e Code, Section XI. or his employer ma thermore, neither t	nal Board of Bo escribed in this examinations and likes any warran the Inspector no	Owner's Report during taken corrective menty, expressed or import his employer shall the corrections of the correction of the corrections of the correction	ig the period 8/ easures descril lied, concerning	17/2010 to 11/18/2 ped in this Owner's the examinations	2010, and state that s Report in s and corrective
Jopen	y damage or a loss of	lihall	in or confidenced wil	uruna mapectic	_ Commissions <u>V B</u> Nation	3 79 20 A nal Board, State	<i>NBI - L-02</i> e, Province, and E	209- IC
	11-19 00 10							

	elon Generation Co. xelon Way, Kennett	•	Date 1/31/2011 Sheet 1 of 1				
2. Plant Name: Br Address: 35100	aidwood Station S. Rte. 53, Suite 84	l, Braceville, IL 604	407		ler #01371174-	<u>01</u> janization P.O., Jo	ob No., etc
	By: Shaw / Stone & South Essex Road,		481	Authoriza	de Symbol Stam tion No.: None n Date: None		
4. Identification of S	ystem: MS (Main S	Steam) (Class 2)					
(b) Applicable Edit		ilized for Repair/R		Addenda, No Code C 2001 Edition with 2003			
6. Identification of Compo	nents:		T	T	<u> </u>	<u> </u>	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Main Steam 6" Relief Valve (Position 1MS016D)	Dresser	BR09605	Not Applicable	Cat ID 1388647-1 UTC 2839826	1977	Removed	Yes
" Main Steam Safety Relief Valve	Dresser	BR09645	Not Applicable	Cat ID 1445882-1 UTC 2869793	1977	Installed	Yes
Remarks: Valve and refurbished valve) was	connection were ex	amined by VT-2 or ne of final review a	n 11/4/2010 an	ed on file.	-	mentation (Form f	NVR-1 for
Type Code Symbol Stamp: Signed Symbol Stamp: Owner or Owner	•		ization No.: No	ot Applicable	ASME Code, S	Section XI.	
I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the requiren By signing this certificate neit measures described in this C property damage or a loss of	CT have inspected that delief, the Own- nents of the ASME of the the Inspector not the Inspector not the Inspector not the Inspector not the Inspector in the I	ssued by the Nation the components do er has performed of Code, Section XI. or his employer ma thermore, neither to	nal Board of Bo escribed in this examinations a akes any warra the Inspector n	Owner's Report during and taken corrective manner. On the corrective manner. On the correction of the	ng the period 9/2 leasures describ	28/2010 to 1/31/20 bed in this Owner: the examinations	10, and state that s Report in
Inspector's Signatur	е			Commissions Natio	IL1085	e, Province, and E	ndorsements
ii iopotor o orginatur	-			14010	wowie, cal	, , , , , , , , , , , , , , , , , , ,	

Date 1 -- 31

2011

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

1. Work performed by:	NWS Technolo				rder # 465341		
	131 Venture Boule	vard, Spartanbu	rg, SC	29306			
2. Work performed for:	Exeion Corporation	, Braidwood Sta	tion				
3/4. Owner - name, add East of IL RT 53, 1-	dress and identification of R				Corp Braid	wood St	ation
5. a: Repaired pressure	e relief device: M	ain Steam Safety	y Valve				
b: Name of manufac	turer: Consolidated	d / Dresser					
c: Identifying nos.	27070	DD00645 V	/ .	n/a at		6"	4077
	3707R	BR09645 V (mfr's S/N)			earn	6" (size)	
d: Construction Cod			74	n/a	n/a	(3126)	2
	(name/section/divis	sion) (edit	tion)	(addenda)	(Code Cases	(s))	(Code Class)
6. ASME Code Section	XI applicable for ins	ervice inspection	r:	2001	2003		n/a
7. ASME Code Section	XI used for repairs:	replacements:		(edition) 2001	(addend 2003		(Code Case(s)) n/a
	and according to the second of			(edition)	(addend		(Code Case(s))
8. Construction Code us	sed for repairs, repla	cements:		1974	n/a		n/a
				(edition)	(addend	a)	(Code Case(s))
9. Design responsibilitie	es: <u>n/a / /</u>						
10. Opening pressure: 1190 psig Set-pressure adjustment made at: NWS Technologies, LLC using steam							
11. Description of work	(include name and ident	ifying number of rep	lecement	parts): Disa	ssembled, in:	 spected,	lapped and
	seat, lapped and pa						
	nd lubricated as requ					ng stear	<u>n</u>
12. Remarks: NWS Tra					er ring pin.		
I. Jason C. Gibs		RTIFICATE OF the best of my i			of the stateme	nte mad	a in this
report are correct and the							
conforms to Section XI		nd the National I	Board Ir	spection Co	ode "VR" and '		
National Board Certifica				"VR" stam	· · · · · · · · · · · · · · · · · · ·	April 3, 2	
National Board Certifica				"NR" stam	p expires <u>A</u>	April 9, 2	
10/11/2010 NWS	Technologies, LLC Repair Organization	9		ced represental	tive	Mana	ger, QA Title
	CE	RTIFICATE OF	INSPE	CTION			
I, Charles F. Toego		id commission is			al Board of Be	oiler and	Pressure
Vessel Inspectors and					North Carolin		
by Hartford Steam Bo			artford,		e inspected the		
or replacement describe	ed in this report on	LUCT, ZOIO at	nd state	that to the t	Section VI of	wiedge	and belief,
this repair, modification Code and the National I				roance with	Section At Oth	ine or in	e ADME
By signing this certificat				makes anv	warranty, exp	ressed o	or implied.
concerning this repair, r							
nor my employer shall t	e liable in any mann	er for any perso					
arising from or connecte	ed with this inspectio	n/ (1))				
10/11/10	Emarkes For	Mex 1		3 # 8462, A			listian * no \
/ Date	Inspector's Si	gnatu je '	U01	minissions (NE	(incl endorseme	nts), junst	ilction,a. no.)

	Exelon Generation Co. D Exelon Way, Kennett		Date 1/27/2011 Sheet 1 of 1						
	Braidwood Station 00 S. Rte. 53, Suite 84	, Braceville, IL 604	07			_1_ COrder #0052895 air Organization P			
3. Work Perform Address: 351	ed By: Braidwood Sta 00 S. Rte. 53, Suite 84	tion Mechanical Ma , Braceville, IL 604	iintenance 07		Auth	Code Symbol Sta orization No.: Nor ration Date: None	ne		
4. Identification	of System: Reactor Co	olant (RC) (Class 1	1)		LAPII	ation Date. None			
(b) Applicable (c) Section XI	Va Edition of Section XI U Code Cases used: No	alves: ASME Section Control of the section of the s	on III 1974 Edi eplacement: 2	ion, Summer 1975 Add tion, Summer 1976 Add 001 Edition with 2003	denda	e Cases			
6. Identification of Co Name of Component	Mponents Repaired or Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)		
Unit 1 Reactor Head Vent Valves (1RC014A, 1RC014B, 1RC014C and 1RC014D) and associated piping	Unknown	Unknown	Not Applicable	1RC014A through 1RC014D Line 1RC031DA-1"	Not Recorded	Removed	No		
Solenoid Valve Assemblies	Valcor Engineering Corporation	Valve Serial Numbers 58, 59, 60, and 61	Not Applicable	Cat ID 1397111-1 UTC 2701665 and 2701666	Not Recorded	Installed	No		
3/32" ER308/308L	Arcos Industries, LLC	Heat 735857 Lot CT8816 Control 8816	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No		
 Description of Work: Replaced existing reactor head vent manifold valves (which leaked by seats) with solenoid valve assemblies which were reworked by Valcor. Field welds were examined by liquid penetrant method. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt 									
	Other	□ Pressure Not	Required	psig Test Temp. No	ot Required	°F			
				but were examined by naterial was attached a					
We certify that the stater rules of the ASME Code		rt are correct and the		nt conforms to the	orization No :	Not Applicable			
Signed Sund	an a. Casa	-	• •	Date		Not Applicable			
	wner's Designee, Title	J ISI COOK	uniatoi t	Date	<u>···</u>				

		CERTIFICA	TE OF INSER	VICE INSPECTION					
I, the undersigned, holding and employed by HSBC to the best of my knowler accordance with the requirements.	F of CT have inspected dge and belief, the Owr	the components dener has performed e	escribed in this	Owner's Report during	the period 4/2	22/2010 to 1/27/20	011, and state that		
By signing this certificate measures described in the property damage or a los	is Owner's Report. Fu	rthermore, neither t	the Inspector n	or his employer shall b					
Ŷ	\. i			Commissions	U 1005				
Inspector's Sign	nature				I <u>L1085</u> al Board, State	e, Province, and E	Endorsements		
Date 1-24-,20_			Page 6-	12					

	Exelon Generation Co. 00 Exelon Way, Kennett		ŀ			1/27/2011 et 1 of 1	
	Braidwood Station i100 S. Rte. 53, Suite 84	1, Braceville, IL 604	07		Worl	_1_ COrder #0052895 air Organization P	
	med By: Braidwood Sta 100 S. Rte. 53, Suite 84				Auth	Code Symbol Station No.: Notes that the control of	ne
4. Identification	of System: Reactor Co	polant (RC) (Class 1	1)				
(b) Applicable	Construction Code: Pi Va Edition of Section XI U Code Cases used: No	alves: ASME Section tilized for Repair/Re	on III 1974 Edi	tion, Summer 1976 Add	denda	e Cases	
6. Identification of C	omponents Repaired or	Replaced and Rep	lacement Com	ponents:	r		,
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Unit 1 Reactor Head Ver Line Support 1RC99004G		Unknown	Not Applicable	1RC99004G Line 1RC031DA-1"	Not Recorded	Removed	No
3/32" E7018 Weld Electrode	ESAB	Heat M902234 Lot 2H012D04 Control NNN024	Not Applicable	Cat ID 8491-1 UTC 2870136	2010	Installed	No
34" X 5/8" X 4" Flat Bar Stock	Gerdau Ameristeel	Heat JG5757	Not Applicable	Cat ID 30483-1 UTC 2822259	2008	Install ed	No
2 ½" X 2 ½" X ¼" Square Tubing Bar Stock	Independence Tube Corporation	Heat C50373	Not Applicable	Cat ID 1446497-2 UTC 2870694	2009	Installed	No
 Description of W Tests Conducted 	,	Pneumatic Nom	inal Operating	t of reactor head vent m Pressure ☐ Exempt psig Test Temp. <u>No</u>	⊠		
9. Remarks: Application file.	able documentation for	replacement materi	ial and weld fill	ler material was attache	ed at the time o	of final review and	is maintained on
rules of the ASME Cod Signed Signed	ements made in the repo e, Section XI. Type Co Land (USU) Owner's Designee, Title		Not Applicab	nt conforms to the	orization No.:	Not Applicable	
and employed by HSB0 to the best of my knowl accordance with the red By signing this certifical measures described in	ling a valid commission of the	issued by the Nation the components de- ner has performed e Code, Section XI. nor his employer ma inthermore, neither t	nal Board of Bo escribed in this examinations a tikes any warra the Inspector n	s Owner's Report during and taken corrective me anty, expressed or impli- nor his employer shall be	the period 4/2 asures describ ed, concerning	22/2010 to 1/27/20 bed in this Owner: the examinations	on 11, and state that s Report in s and corrective
1	a - 1.12			Commissions	IL1085		
Inspector's Signature	nature					e, Province, and E	indorsements

Date 1.23., 20 11

1.	-	xelon Generation Co. Exelon Way, Kennett	,	1			1/27/2011 et 1 of 1	
2.		Braidwood Station 0 S. Rte. 53, Suite 84	, Braceville, IL 604	07		Work	1 Order #0052895 air Organization P	
		ed By: Braidwood Sta 0 S. Rte. 53, Suite 84				Auth	Code Symbol Storization No.: No ration Date: None	ne
4.	Identification of	System: Reactor Co	olant (RC) (Class	1)				
5 (a) (b) (c)	Applicable E	Va	lives: ASME Section in the section of the section o	on III 1974 Edi	ion, Summer 1975 Add tion, Summer 1976 Add 001 Edition with 2003 A	denda	e Cases	
6. Ident	tification of Com	ponents Repaired or	Replaced and Rep	lacement Com	ponents:			
Name of 6	Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Line S	tor Head Vent Support 99008G	Unknown	Unknown	Not Applicable	1RC99008G Line 1RC031DA-1"	Not Recorded	Removed	No
	7018 Weld ctrode	ES AB	Heat M902234 Lot 2H012D04 Control NNN024	Not Applicable	Cat ID 8491-1 UTC 2870136	2010	Installed	No
	K 4" Flat Bar ock	Gerdau Ameristeel	Heat JG5757	Not Applicable	Cat ID 30483-1 UTC 2822259	2008	Installed	No
	X ¼" Square Bar Stock	Independence Tube Corporation	Heat C50373	Not Applicable	Cat ID 1446497-2 UTC 2870694	200 9	Installed	No
8. Tes	ts Conducted:	Hydrostatic F	Pneumatic Nom Pressure Not	inal Operating Required	t of reactor head vent many of ressure Exempt Exempt Exempt Exempt Exemp. No exemple Exemp. No exemple Exemple	⊠ ot Required	∘F	d on file.
	e ASME Code, : Brundan	ents made in the repo Section XI. Type Co Lusuy ner's Designee, Title		: Not Applicab	nt conforms to the le Certificate of Author	orization No.:	Not Applicable	
and emplote to the best accordance. By signing measures property dates the significant of	yed by HSBCT of my knowledge with the requirement this certificate in described in this amage or a loss	of CT have inspected ge and belief, the Owr rements of the ASME neither the Inspector neither the Report. Further of any kind arising from the Common section of the Common sect	ssued by the Nation the components do ner has performed a Code, Section XI. or his employer marthermore, neither the	nal Board of Be escribed in this examinations a akes any warra the Inspector n	Commissions	the period 4/2 asures describ ed, concerning e liable in any	22/2010 to 1/27/20 ped in this Owner the examination:	011, and state that s Report in s and corrective ersonal injury or
Date 1	2011							

1.		xelon Generation Co. Exelon Way, Kennett		l			1/27/2011 et 1 of 1	
2.		Braidwood Station 10 S. Rte. 53, Suite 84	\$, Braceville, IL 604	07		Work	1 COrder #0052895 air Organization P	
3.		ed By: Braidwood Sta 00 S. Rte. 53, Suite 84				Auth	Code Symbol Station No.: No ration Date: None	ne
4.	Identification of	System: Reactor Co	oolant (RC) (Class 1)		CAP!	anon bato. Hone	,
5	(b) Applicable E	Va	alves: ASME Section tilized for Repair/Re	on III 1974 Edi	ion, Summer 1975 Add tion, Summer 1976 Add 001 Edition with 2003 A	denda	e Cases	
6.	Identification of Com	ponents Repaired or	Replaced and Rep	acement Com	ponents:	·		
Nam	e of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
	Reactor Head Vent Line Support 1RC99007G	Unknown	Unknown	Not Applicable	1RC99007G Line 1RC031DA-1"	Not Recorded	Removed	No
3/3	2" E7018 Weld Electrode	ESAB	Heat M902234 Lot 2H012D04 Control NNN024	Not Applicable	Cat ID 8491-1 UTC 2870136	2010	Installed	No
rules	ertify that the statem of the ASME Code, and Brindar	Other ole documentation for ents made in the repo	weld filler material weld filler material weld filler material well correct and the correct and the correct symbol Stamp:	Required was attached a FICATE OF Co his replacement Not Applicab		w and is maint	ained on file.	
and e to the accor By sig meas	employed by HSBCT best of my knowled dance with the requi gning this certificate i dures described in thi	of CT have inspected ge and belief, the Own rements of the ASME neither the Inspector is Owner's Report. Further of any kind arising from the Communication of the Communication	issued by the Nation I the components dener has performed a Code, Section XI. Inor his employer mainthermore, neither to	nal Board of Bescribed in this examinations and warrathe Inspector n	Commissions	g the period 4/2 pasures describ led, concerning le liable in any	22/2010 to 1/27/20 bed in this Owner the examinations	011, and state that s Report in s and corrective ersonal injury or
Date	1-26,201	L						

	Exelon Generation Co. 0 Exelon Way, Kennett		1			12/13/2010 et 1 of 1	
	Braidwood Station 100 S. Rte. 53, Suite 84	Bracquille II 604	07		Unit	<u> 1</u>	
Address. 33	100 3. File. 33, Suite 64	, braceville, it ou	07			k Order #0129392 air Organization P	
	ned By: Shaw / Stone & 400 S. Essex Road, Wil				Auth	e Code Symbol Stationization No.: Non	ne
4. Identification	of System: Reactor Co	olant/Steam Gener	rator		Expi	ration Date: None	•
(b) Applicable	Construction Code: AS Edition of Section XI Ut Code Cases used: Nor	tilized for Repair/Re					
6. Identification of Co	mponents Repaired or	Replaced and Rep	lacement Com	ponents:	·		·
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Cap Screws for Adaptor 1RC01BD-B (1B Steam Generator Snubber)	Boeing	Unknown	Not Applicable	1RC01BD-B	Not Recorded	Removed	No
1/4"-20 Hex Head Cap Screws	NOVA Machine Products, Inc.	Heat 8092338 Lot 50177876	Not Applicable	Cat ID 1396239-1 UTC 2840134	200 9	Installed	No
	-		Required d and acceptal	, psig Test Temp.	Not Required		for cap screws was
We certify that the state	ments made in the reno		FICATE OF CO		SME Code Section	ın Yl	
•	·				owner code, cooke		
Type Code Symbol Stan Signed Bunda Owner or O	wner's Designee, Fitte			Date <u>/2//3</u>	, 20 <u>/O</u>		
		CERTIFICA	TE OF INSER	VICE INSPECTION	i		
I, the undersigned, holding and employed by HSBC to the best of my knowle accordance with the requirements.	T of CT have inspected dge and belief, the Owr	the components de ner has performed e	escribed in this	Owner's Report du	uring the period 3/	22/2010 to 12/13/2	2010, and state that
By signing this certificate measures described in the property damage or a los	nis Owner's Report. Fu	rthermore, neither t	the inspector n	or his employer sha on.	all be liable in any	manner for any po	ersonal injury or
Inspector's Sign	Well mature			Commissions	/L-02709 HL1085/0/ ational Board Stat	- IC NB 792 P. Province, and E	o ANSE
Date 12.74, 20.				INC	Doub, old	o, r iovilloo, and b	

1. Owner : Address: 3	Exelon Generation Co 00 Exelon Way, Kennet		3	Date 1 Sheet	1/30/2011 1 of 1		
	Braidwood Station 100 S. Rte. 53, Suite 8	4, Braceville, IL 604	107		Order #01375122-	<u>-01</u> ganization P.O., Jo	ob No., etc
	med By: Shaw / Stone 400 South Essex Road		481	Authori	Code Symbol Stan ization No.: None ion Date: None		
4. Identification	of System: Reactor Co	oolant (Steam Gene	erator) (SG) (C		ion Date: None		
(b) Applicable	Construction Code: At Edition of Section XI U Code Cases used: No omponents:	tilized for Repair/Re				S	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1RC01BA Lateral Support (Shim Pack)	Not Recorded	None	Not Applicable	1RC01BA Lateral Support	Unknown	Corrected	No
½"-13 SA-193 Grade B7 Threaded Rod	NOVA Machine Products	Heat 10061010 Lot 50222374	Not Applicable	Cat ID 24979-1 UTC 2870288	2010	installed	No
1/2" Thick SA-36 Plate	SSAB	Heat EOI222	Not Applicable	Cat ID 1446244-1 UTC 2870351	2010	Installed	No
½"-13 SA-194 Grade 6 Heavy Hex Nuts	NOVA Machine Products	Heat 516788 Lot 36249059	Not Applicable	SI #796D31 RIN A99-01139	19 99	Installed	No
½"-13 A/SA 194 Grade 2H Heavy Hex Nuts	NOVA Machine Products	Heat 361170 Lot 50183194	Not Applicable	Cat ID 37027-1 UTC 2844897	2009	Installed	No
	•	Pressure Not	Required		Not Required		down (11/4/2010)
			FICATE OF CO	OMPLIANCE			
I certify that the stateme	nts made in the report a	are correct and that	this conforms	to the requirements	of the ASME Co	de, Section XI.	
Type Code Symbol Stan	np: Not Applicable C	ertificate of Authori		1/2			
Signed D/L/V/1 Owner or O	wners Designee, Inte	ISI Coord	dinator [Date 1/3	, 20_//		
I, the undersigned, holding and employed by HSBC to the best of my knowle accordance with the requirements.	T of CT have inspected dge and belief, the Own	ssued by the Nation the components de er has performed e	nal Board of Bo scribed in this	Owner's Report du	ring the period 10	V10/2010 to 1/30/2	011, and state that
By signing this certificate measures described in the property damage or a los	nis Owner's Report. Fui	thermore, neither th	he Inspector n	or his employer sha			
1 h	-le-			Commissions	TURIO	28	
Inspector's Sign	nature				tional Board, Stat	e, Province, and E	ndorsements

Date 1.31- 2011

1.		xelon Generation Co., Exelon Way, Kennett				Date 1/28/2011 Sheet 1 of 1				
2.		Braidwood Station 00 S. Rte. 53, Suite 84	, Braceville, IL 604	07		<u>1</u> Order #01375464-((Replacement Org		b No., etc		
3.	Work Performe Address: 3640	ed By: Shaw / Stone & 00 South Essex Road,	k Webster Wilmington, IL 604	81	Authori	code Symbol Stam ization No.: None ion Date: None	p: None			
4.	Identification of	System: Reactor Co	olant (Steam Gene	rator) (SG) (C	•	ion bate. Hone				
(1	o) Applicable E	Construction Code: AS Edition of Section XI Ut Tode Cases used: Nor	ilized for Repair/Re	4 Edition, Sum eplacement: 2	nmer 1975 Addend 001 Edition with 20	a, No Code Cases 03 Addenda	i			
6. ld	dentification of Con	ponents:								
Name	of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)		
	01BC Lateral ort (Shirn Pack)	Not Recorded	None	Not Applicable	1RC01BC Lateral Support	Unknown	Corrected	No		
was di 7. 8.	Scovered loose during Tests Conducted: Remarks: A VT-3 after attaining nome by that the statement Code Symbol Stamp	Other examination was performed in the report a	Pneumatic Nom Pressure Not Pres	Required was tightened FICATE OF Co	pressure Exer psig Test Temp (10/15/2010) and a	mpt Not Required again during ascen	.°F ding Mode 3 walk	-		
					RVICE INSPECTION	-	and the Chite of t	Donaine of Mineio		
and en	nployed by HSBCT best of my knowled	g a valid commission i of CT have inspected ge and belief, the Owi irements of the ASME	the components de ner has performed	escribed in this	s Owner's Report d	uring the period 10	0/10/2010 to 1/28/	2011, and state that		
measu	res described in thi	neither the Inspector r is Owner's Report. Fu s of any kind arising fr	irthermore, neither	the Inspector r	nor his employer sh					
	L h	1.4.			Commissions	ILDIO	چې د			
	Inspector's Sign	ature			Commissions N	ational Board, Sta	te, Province, and I	Endorsements		

1,		on Generation Co., relon Way, Kennett		ı			e 1/25/2011 et 1 of 1	
` }.		aidwood Station Un					k Order #0122465	
)	Address: 35100	S. Rte. 53, Suite 84	, Braceville, IL 604	07		Rep	air Organization P	.O., Job No., etc
3.		By: Shaw / Stone & S. Essex Road, Wili				Auth	le Symbol Stamp: norization No.: Noi iration Date: None	ne
4.	Identification of S	ystem: Residual He	eat Removal (RH)	Class 1 system	1	Exp	ration Date. None	•
5 (a) (b) (c)	Applicable Edit		ilized for Repairs o		nmer 1974 Addenda.	;	1686, 1651, 1728, and N-108	82, 1683, 1685, 1729, 1734, N-180
6. Ide	ntification of Compo	nents Renaired or	Replaced and Rep	lacement Com	nonents:			
	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)
	chanical Snubber H02047S	ITT Grinnell	S/N 9657	Not Applicable	1RH02047S	1981	Replaced	No
PSA-3 Me	chanical Snubber	Basic-PSA Inc.	S/N 41624	Not Applicable	Cat ID 27676-1 UTC 2052207	19 99	Replacement	No
9. Re of	final review and is referred to the statement the ASME Code, Se	Other of snubber was penaintained on file.	rformed after reins CERTII ort are correct and t	tallation on 10/	11/2010. Applicable DMPLIANCE nt conforms to the le Certificate of A	e Manufacturer's	Data Report was	attached at the time
and emp to the be accordar By signin measure property	loyed by HSBCT of st of my knowledge nce with the requirer g this certificate nei	CT have inspected and belief, the Owr ments of the ASME ther the Inspector in Owner's Report. Further thanking from the Asmedia of the Asmedi	ssued by the Natio the components d ner has performed Code, Section XI. nor his employer marthermore, neither	nal Board of Bo escribed in this examinations a akes any warra the Inspector n	Commissions	ring the period 4 measures descr aplied, concernir Il be liable in any IL1085	/20/2010 to 1/25/2 ribed in this Owner ng the examination	011, and state that is Report in s and corrective ersonal injury or

	lon Generation Co., celon Way, Kennett		1			1/27/2011 et 1 of 2	
2. Plant Name: Br	aidwood Station S. Rte. 53, Suite 84	Pracoville II 604	.07		Unit:	1	
Address: 35100	3. Nie. 33, Suite 64	, braceville, it out				Order #0060994 air Organization P	
3. Work Performed Address: 36400	By: Shaw / Stone & South Essex Road,	Webster Wilmington, IL 604	1 81		Auth	Code Symbol State	ne
4. Identification of S	ystem: SI (Safety II	njection) (Class 1 a	and 2)		Expir	ration Date: None	1
5 (a) Applicable Cor				on, Winter 1972 Adden tion, Summer 1975 Add			
(-)		ilized for Repair/Re		001 Edition with 2003 A		de Cases	
6. Identification of Compo	onents:						
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Check Valve 1SI8819C and associated piping	Not Recorded	Not Recorded	Not Applicable	1SI8819C Lines 1SI18EC-2" and 1SI18FC-2"	Not Recorded	Removed	Yes
2" Y-Piston Check Valve	Flowserve Corporation	72BQV	Not Applicable	Cat ID 24010-1 UTC 2869753	2010	Installed	Yes
2" Socket Weld Flange	WFI International	Heat 3737ANE1	Not Applicable	Cat ID 30443-1 UTC 2869983	2010	Installed	No
2" Seamless Pipe	Sandvik Materials	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2829918	2005	Installed	No
3/32" ER316L (for valve cover seal weld)	Technology Arcos Industries, LLC	Lot CM8256	Not Applicable	Cat ID 8500-1 UTC 2715657	2004	Installed	No
Description of Work: were examined by liq.			sociated piping	as part of a corrective	action (refere	nce ATI 164897-0	9). Socket welds
8. Tests Conducted:	•		ninal Operating	Pressure Exempt [
	Other	Pressure Class	s 2; 870 / Clas	s 1: 2239.8 psig Tes	t Temp. <u>Clas</u>	s 2: 95.6 / Class 1	: 549.32 °F
system leakage test v	vas performed and a	acceptable on 11/4	/2010. Applica	eptable on 10/17/2010 i able material document v and is maintained on t	ation for all co		
			FICATE OF CO				
We certify that the statement Type Code Symbol Stamp:	ts made in the repo Not Applicable C	rt are correct and t ertificate of Author	his conforms to ization No.: No	o the requirements of th ot Applicable	e ASME Code	e, Section XI.	
Signed Brendan	a casu	1 ISI Coor	dinator (Date 1/27 20	11		
Owner or Owner		131 0001	diriator :	Jale, 20			
				VICE INSPECTION	1 1		
I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the require	CT have inspected and belief, the Owr	the components de er has performed	escribed in this	Owner's Report during	the period 9/1	16/2010 to 1/27/20	11, and state that
By signing this certificate ne measures described in this (property damage or a loss o	ither the Inspector n Owner's Report. Fu	or his employer ma	the Inspector n	or his employer shall be			
1	,		- 		%r		
Inspector's Signatu	ire				IL1085 al Board, State	e, Province, and E	indorsements

Page 6-20

Date 1 25 , 20 11

1. Owner : Exelon Generation Co., LLC

Address: 300 Exelon Way, Kennett Square, PA 19348

Date 1/27/2011 Sheet 2 of 2

Plant Name: Braidwood Station

3.

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

Unit: 1

Work Order #00609949-01

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

3. Work Performed By: Shaw / Stone & Webster

Address: 35100 South Route 53, Suite 84, Braceville, IL 60407

Type Code Symbol Stamp: None

Authorization No.: None Expiration Date: None

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

(a) Applicable Construction Code: Valve: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases

Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases

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

(c) Section XI Code Cases used: None

6. Identification of Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot DT8780 Heat 735456	Not Applicable	Cat ID 8513-1 UTC 2802006	2007	installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT8816 Heat 735857 Control 8816	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No
3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8497-1 UTC 2830005	2008	Installed	No
1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot D-9077 Heat 249076 Control 9077	Not Applicable	Cat ID 8513-1 UTC 2844829	200 9	installed	No

Brendan J. Casey 1/27/2011 Lhule-1/28/11

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

				. 8. 1 01
1. Manufactured and certif	ied by Flowserve Corporation,	1900 South Saunders St. Ral	eigh, NC 27603	
		(name and address	or N Certificate Holder)	
2. Manufactured forExe	elon Business Services, An Exek	on Company P.O. Box 805388	3 Chicago, IL 60680-5388	
	Braidwood Station East of IL			
3. Location of installation	braidwood Staudii East of IL	(name and a		
4 Madel No Series No. (or Type 1500# CHECK VALVE	Og-56242-01	Rev0	CRN N/A
4. Model No., Selles No.,		/ / /	, NOV.	CAN
5. ASME Code, Section III,	Division 1:1971 1	WINTER 1972	1	N/A
	(adition)	(addenda date)	(class)	(Code Case no.)
6. Pump or valve Valve	Nominal inlet size	Outlet size	e2	
•		(in.)	(in.)	
7. Material:				
(a) valve Body SA1	82-F316 Bonnet SA182-F316	Disk <u>SA479-316</u> Bol	ting N/A	
(b) pump Casing	Cover	Bolting		
(a)	(b)	(c)	(d)	(e)
Cert.	Nat'l	Body/Casing	Bonnet/Cover	Disk
Holder's Serial No.	Board No.	Serial No.	Serial No.	Serial No.
		V	<i>y</i>	V
72BQV	N/A	A8-9	93723-14	33617- 6- 1
		:		

		•		

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

FORM NPV-1 (Back — Pg. 2 of _____)

	Certificate Holder's Serial No.
8. Design conditions 2580 psi 650 (temperature)	°F or valve pressure class 1500
9. Cold working pressure 3600 psi at 100°F	
10. Hydrostatic test psi. Disk differential test pressur	ge <u>3960</u> psi
11. Remarks: S.O. 56242-01	
CERTIFICATION	OF DESIGN
Design Specification certified by L. Ike Ezekoye	P.E. State PA Reg. no. 18379-E
Design Report certified by Robert A. Sizemore	P.E. State NC Reg. no. 029425
CERTIFICATE OF We certify that the statements made in this report are correct and that	
ASME Code, Section III, Division 1. N-1562	_ 11-26-12
N Certificate of Authorization No.	Expires 11-20-12
Date 9/2/10 Name Flowserve Corporation (N Certificate Holder)	Signed Signed
(N Certificate Holder)	(suthorized representative)
CERTIFICATE OF	INSPECTION
I, the undersigned, holding a valid commission issued by the National Boo of NC and employed by	ard of Boiler and Pressure Vessel Inspectors and the State or Province HSB CT
	_ have inspected the pump, or valve, described in this Data Report on
in accordance with the ASME Code, Section III, Division 1.	e and belief, the Certificate Holder has constructed this pump, or valve,
By signing this certificate neither the inspector nor his employer makes any	warranty, expressed or implied, concerning the component described
in this Data Report. Furthermore, neither the inspector nor his employer sh	all be liable in any manner for any personal injury or property damage
or a loss of any kind arising from or connected with this inspection.	
Date 9/3/10 Signed (Authorized Nuclear papector)	Commissions

Owner : Exelon Generation Co., LLC

Address: 300 Exelon Way, Kennett Square, PA 19348

1.

Date 1/26/2011

Sheet 1 of 2

P.	Plant Name: Br		Barranilla II COA	107		Unit:	1_	
	Address: 35100	S. Rte. 53, Suite 84	, Braceville, IL 604	107			k Order #0128179 air Organization P	
3.		By: Shaw / Stone & South Essex Road,		481		Auth	Code Symbol Storization No.: No ration Date: None	ne
4.	Identification of S	system: SI (Safety I	njection) (Class 1 a	and 2)		САР	Tation Date. None	•
5	(a) Applicable Cor				ion, Winter 1972 Adder			
			ilized for Repair/Re		ition, Summer 1975 Ad 2001 Edition with 2003		de Cases	
6.	Identification of Compo	onents:		T		·		·
Nar	me of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
	Valve 1SI8819B and sociated piping	Not Recorded	Not Recorded	Not Applicable	1SI8819B Lines 1SI18EB-2" and 1SI18FB-2"	Not Recorded	Removed	Yes
2" Y-I	Piston Check Valve	Flowserve Corporation	44BPM	Not Applicable	Cat ID 24010-1 UTC 2859487	2009	Installed	Yes
2° Sc	ocket Weld Flange	Western Forge & Flange Co.	Heat 249217 Lot 10791 Code GMA	Not Applicable	Cat ID 30443-1 UTC 2869560	2010	Installed	No
2"	Seamless Pipe	Sandvik Materials Technology	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2829998	2005	Installed	No
	ER316L (for valve over seal weld)	Arcos Industries, LLC	Lot CM8256	Not Applicable	Cat ID 8500-1 UTC 2715657	2004	Installed	No
9.	system leakage test v	vas performed and a	acceptable on 11/4	/2010. Applica	eptable on 10/17/2010 able material document	ation for all co		
	and associated weld	mier materiais was a	ittacried at the time	O INIZI TEVIEV	vano is maintained on	III.		
	ertify that the statement Code Symbol Stamp: Id Burd to Owner or Owner	Not Applicable C	rt are correct and t ertificate of Author	ization No.: N	the requirements of the		e, Section XI.	
			CERTIFICA	TE OF INSER	VICE INSPECTION			
and e	mployed by HSBCT of	CT have inspected and belief, the Own	the components de er has performed	escribed in this	oiler and Pressure Vess BOwner's Report during and taken corrective me	the period 9/	16/2010 to 1/26/20	011, and state that
meas	ning this certificate ne ures described in this (rty damage or a loss o	Owner's Report. Fu	rthermore, neither	the Inspector r	unty, expressed or impli nor his employer shall b ion.	ed, concerning e liable in any	the examinations manner for any po	s and corrective ersonal injury or
<i></i>		hujoka				IL1085		
	Inspector's Signatu	ire			Nation	al Board, Stat	e, Province, and E	indorsements
Date	1-24- ,20 <u>11</u>			Page 6-	24			
	7 711,000						······································	

Exelon Generation Co., LLC 1.

Date 1/26/2011 Sheet 2 of 2

Address: 300 Exelon Way, Kennett Square, PA 19348

3. Plant Name: Braidwood Station

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

Unit: 1

Work Order #01281799-01

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

Work Performed By: Shaw / Stone & Webster 3.

Address: 35100 South Route 53, Suite 84, Braceville, IL 60407

Type Code Symbol Stamp: None

Authorization No.: None

Expiration Date: None

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

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

Piping: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Cases

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

Section XI Code Cases used: None

Identification of Components:

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

Bopesey 1/26/2011 Ilmbu 1/20/11

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

Pg. 1 of 1. Manufactured and certified by Flowserve Corporation, 1900 South Saunders St. Raleigh, NC 27603 Manufactured for Exelon Business Services, An Exelon Company P.O. Box 805388 Chicago, IL 60680-5388 (name and address of Purchaser) 3. Location of installation Braidwood Station East of IL 53 1-1/2 miles South of RT 113 Braidwood, IL 60408 1500# CHECK VALVE Drawing 09-54152-01 0 CRN 4. Model No., Series No., or Type **WINTER 1972** N/A 5. ASME Code, Section III, Division 1: (edition) (class) (Code Case no.) Nominal inlet size 6. Pump or valve 7. Material: Bonnet SA182-F316 SA182-F316 Disk SA479-316 Bolting N/A (a) valve Bolting (b) pump Casing Cover (c) Body/Casing (d) (6) (e) Disk (a) Nat'l Bonnet/Cover Cert. Holder's Serial No. Serial No. Nq. No. No. N/A A8-5 93723-6 33617-1-2 **44BPM**

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

FORM NPV-1 (Back —	Pg. 2 of)
,	44BPM
	Certificate Holder's Serial No.
8. Design conditions psi psi **	or valve pressure class 1500
(pressure) (temperature)	
9. Cold working pressure 3600 psi at 100°F	
10. Hydrostatic test psi. Disk differential test pressure	3960 ps
11. Remarks: S.O. 54152	
CERTIFICATION O	E DECICAL
1. The Colores	
Design Specification certified by	P.E. State Reg. no
Design Report certified by Ron S. Farrell	P.E. State NC Reg. no. <u>028656</u>
CERTIFICATE, OF CO	OMPLIANCE
-	
We certify that the statements made in this report are correct and that t	his pump or valve conforms to the rules for construction of the
ASME Code, Section III, Division 1. N Certificate of Authorization No	Expires 11-26-09
A Lamid a Eleverage Comparison	20
Date 9/38/09 Name Flowserve Corporation (N Certificate Holder)	Signed (authorized operantative)
	Inches in a Laboratory
CERTIFICATE OF IN	SPECTION
I, the undersigned, holding a valid commission issued by the National Board	of Boiler and Pressure Vessel Inspectors and the State or Province
of NC and employed by	HSB CT
of Hartford, CT	nave inspected the pump, or valve, described in this Data Report on and belief, the Certificate Holder has constructed this pump, or valve,
- 1	nd belief, the Certificate Holder has constructed this pump, or valve,
in accordance with the ASME Code, Section III, Division 1. By signing this certificate neither the inspector nor his employer makes any w	percentu everessed or implied concerning the component described
in this Data Report. Furthermore, neither the inspector nor his employer shall	
or a loss of any kind arising from or connected with this inspection.	are make in only manner to any personner injury or property admings
$\alpha = 100$.10 70
Date 9128 64 Signed Authorized Success Inspector)	[Net'l. Bd. (Incl. endorsements) and state or prov. and no.]

Owner : Exelon Generation Co., LLC

20 L

Address: 300 Exelon Way, Kennett Square, PA 19348

1.

Date 1/25/2011

Sheet 1 of 2

) .	Plant Name: Braidwood Station Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407							Unit: _1_		
						<u>Wor</u> Rep	k Order #0122473 air Organization P	<u>7-01</u> .O., Job No., etc		
3.	Work Performed Address: 36400	Auth	e Code Symbol State Code Symbol State Code Symbol State Code Symbol State Code Code Code Code Code Code Code Cod	n e						
4.	Identification of S	ystem: SI (Safety Ir	njection) (Class 1 a	and 2)		— ,		•		
5	(a) Applicable Cor	struction Code: Va			on, Winter 1972 Actition, Summer 1975					
		ion of Section XI Ut le Cases used: Nor	ilized for Repair/Re							
_	(1)		ie .							
6.	Identification of Compo			T		T	I	I		
N	ame of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)		
	k Valve 1SI8819D and associated piping	Not Recorded	Not Recorded	Not Applicable	1SI8819 D	Not Recorded	Removed	Yes		
2" \	7-Piston Check Valve	Flowserve Corporation	48BQD	Not Applicable	Cat ID 24010-1 UTC 2865568	2010	installed	Yes		
2"	Socket Weld Flange	Western Forge & Flange Co.	Heat 249217 Lot 10791 Code GMA	Not Applicable	Cat ID 30443-1 UTC 2869560	2010	Installed	No		
	2" Seamless Pipe	Sandvik Materials Technology	Heat 505112 WO/Lot 515468	Not Applicable	Cat ID 32352-1 UTC 2829998	2005	Installed	No		
3/3	2" ER316L (for valve	Arcos	Lot CM8256	Not	Cat ID 8500-1	2004	Installed	No		
1	cover seal weld)	Industries, LLC		Applicable	UTC 2715657					
7. 8.	Description of Work: penetrant method. Tests Conducted:	Hydrostatic P	neumatic Nom	ninal Operating	Pressure ⊠ Exerss 1: 2239.8 psig	mpt 🗌		, .		
9.	Remarks: Section XI system leakage test v and associated weld t	pressure testing for vas performed and a	Class 2 was perfo	ermed and acco /2010. Applica	eptable on 10/17/20 able material docum	010 in conjunction nentation for all co	with 1BwVSR TRI	M 2.5.c.3, Class 1		
			CERTI	FICATE OF CO	OMPLIANCE					
	certify that the statement e Code Symbol Stamp:					of the ASME Code	e, Section XI.			
''	,				.,					
Sigi	ned <u>Blindar</u> Owner or Owne	<i>L_f. (MSLC)</i> er's/Designee, Titl e	ISI Coor	dinator I	Date <u>//27</u>	, 20 <u>/)</u>		***		
	2									
			CERTIFICA	TE OF INSER	VICE INSPECTION	4				
and	e undersigned, holding a employed by HSBCT of he best of my knowledge	CT have inspected	ssued by the Nation	nal Board of Bescribed in this	oiler and Pressure 's Owner's Report do	Vessel Inspectors uring the period 9/	16/2010 to 1/25/20	011, and state that		
acc	ordance with the require	ments of the ASME	Code, Section XI.							
mea	signing this certificate ne asures described in this (perty damage or a loss o	Owner's Report. Fui	thermore, neither t	the Inspector r	or his employer sha	mpiled, concerning all be liable in any	g the examinations manner for any pe	s and corrective ersonal injury or		
1	1 1	Ċe								
	Inspector's Signatu	ire			Commissions Na	IL1085 ational Board, Stat	e, Province, and E	Indorsements		
				Page 6-2	28					

Exelon Generation Co., LLC

Address: 300 Exelon Way, Kennett Square, PA 19348

Date 1/25/2011 Sheet 2 of 2

Plant Name: Braidwood Station 3.

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

Unit: _1_

Work Order #01224737-01

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

3. Work Performed By: Shaw / Stone & Webster

Address: 35100 South Route 53, Suite 84, Braceville, IL 60407

Type Code Symbol Stamp: None

Authorization No.: None

Expiration Date: None

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

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

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

Section XI Code Cases used: None (c)

Identification of Components:

(b)

	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
	1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot DT8780 Heat 735456	Not Applicable	Cat ID 8513-1 UTC 2802006	2007	Installed	No
	3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT8816 Heat 735857	Not Applicable	Cat ID 8497-1 UTC 2812499	2008	Installed	No
)	3/32" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8497-1 UTC 2830005	2008	Installed	No
	1/8" ER 308/308L Bare Welding Rod	Arcos Industries, LLC	Lot CT9023 Heat 737880	Not Applicable	Cat ID 8513-1 UTC 2828327	200 9	Installed	No

Brendan J. Caseez 1/27/2011 L limber 1/28/11

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

A	s Required by the Provi	sions of the ASME Cod	le, Section III, Divisio	Pg. 1 of
Manufactured and certification	ied by Howserve Corporation,	, 1900 South Saunders St. Ra	leigh, NC 27603 of N Certificate Holder)	
2. Manufactured forExe	lon Business Services, An Exel	on Company P.O. Box 80538	8 Chicago, IL 60680-5388	
3. Location of installation	Braidwood Station East of IL	53 1-1/2 miles South of RT	113 Braidwood, IL 60408	
4. Model No., Series No., o	or Type 1500# CHECK VALVE	Orawing 09-56242-01	Rev. 0	CRN _N/A
5. ASME Code, Section III,	Division 1: 1971 (edition)	WINTER 1972 (addenda date)	(class)	N/A (Code Case no.)
6. Pump or valve Valve	Nominal inlet size	Outlet siz	e2	
7. Material: (a) valve Body SA1 (b) pump Casing	82-F316 Bonnet SA182-F316 Cover	5 Disk <u>SA479-316</u> Bo Bolting	Iting N/A	
(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
48BQD	N/A	A8-6	93723-11	33617-1-20

		-		

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

FORM NPV-1 (Baci	$k - Pg. 2 \text{ of } \frac{2}{2}$
	Certificate Holder's Serial No
8. Design conditions 2580 psi 650 (remperature) 3600	°F or valve pressure class
9. Cold working pressure psi at 100°F	
10. Hydrostatic test psi. Disk differential test press	3960 sure p:
11. Remarks: S.O. 56242	
OF STIFLOATIC	N. Or protest
i Iko Frakova	ON OF DESIGN
Design Specification certified by Robert A. Sizemore	P.E. State PA Reg. no. 18379-E. P.E. State NC Reg. no. 029425
We certify that the statements made in this report are correct and t ASME Code, Section III, Division 1.	that this pump or valve conforms to the rules for construction of the
N Certificate of Authorization No. N-1562	Expires 11-26-12
Date 6 JU 2010 Name Flowserve Corporation (N Certificate Holder)	Signed (authorized repleantative)
· · · · · · · · · · · · · · · · · · ·	
CERTIFICATE (DF INSPECTION
of NC and employed by	Board of Boiler and Pressure Vessel Inspectors and the State or Province HSB CT
	have inspected the pump, or valve, described in this Data Report on dge and belief, the Certificate Holder has constructed this pump, or valve,
By signing this certificate neither the inspector nor his employer makes a	any warranty, expressed or implied, concerning the component described shall be liable in any manner for any personal injury or property damage
Date 6/24/10 Signed M. 4 C (Authorized Nuclear Inspector)	Commissions NL-1435 [Net'l, Bd. (incl. endorsements) and state or prov. and no.]

	lon Generation Co., celon Way, Kennett		,			1/27/2011 et 1 of 1	
2. Plant Name: Br	aidwood Station	·			Unit:	1_	
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407						k Order #0129448 air Organization P	
	By: Shaw / Stone & South Essex Road,		1 81		Auth	Code Symbol State Orization No.: Non	ne [']
4. Identification of S	ystem: SI (Safety Ir	njection) (Class 2)			cxpii	ration Date: None	!
5 (a) Applicable Con				ion, Summer 1975 Ac			
1.7		ilized for Repair/Re		on, Winter 1972 Adde 001 Edition with 2003		Jas es	
6. Identification of Compo	onents:		T			T	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Existing 2" Globe Valve and Associated Piping	Not Recorded	Not Recorded	Not Applicable	1SI8952C (Valve) Line 1SI79GA-2"	Not Recorded	Removed	Yes (Valve)
2" Globe Valve	Flowserve Corporation	93 BQW	Not Applicable	Cat ID 30706-1 UTC 2869749	2010	Installed	Yes
2" Schedule 40 Seamless Pipe	Sandvik Materials Technology	Heat 512741 WO/Lot 520215	Not Applicable	Cat ID 26883-1 UTC 2807097	2007	Installed	No
3/32" Diameter ER 308L Weld Rod	Arcos Industries, LLC	Heat 737880 Lot CT9023 Control 9023	Not Applicable	Cat ID 8497-1 UTC 2830005	2008	Installed	No
1/8" Diameter ER 308/308L	Arcos Industries, LLC	Heat 249076 Lot D-9077 Control 9077	Not Applicable	Cat ID 37029-1 UTC 2689561	2009	Installed	No
7. Description of Work: indication errors in Sa	ifety Injection accur	nulator.				plugged causing	instrument
8. Tests Conducted:				Pressure Exempl			
	Other	☑ Pressure <u>609</u>	psig res	t Temp. Ambient	T		
 Remarks: Section XI material documentation is maintained on file. 							
We certify that the statemen Type Code Symbol Stamp:	its made in the repo Not Applicable C	rt are correct and t	FICATE OF CO his conforms to ization No.: No	the requirements of	the ASME Code	e, Section XI.	
Signed <u>Bundan</u> Owner or Owne	. O. Cusuy er's Designee, Titte	ν ISI Coor	dinator [Date <u>1/27</u> , 2	01/		
		CERTIFICA	TE OF INSER	VICE INSPECTION	·		
I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the require	CT have inspected and belief, the Own	the components de er has performed	escribed in this	Owner's Report during	ng the period 4/2	21/2010 to 1/27/20	11, and state that
By signing this certificate ne measures described in this (property damage or a loss o	Owner's Report. Fu	rthermore, neither	the inspector n	or his employer shall			
1 h	(Commissions	IL1085		
Inspector's Signatu	ire		Page 6-32			e, Province, and E	indorsements

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

AS	Required by the Provis	ions of the ASME Code	e, Section III, Division	Pg. 1 of
Manufactured and certifie	od by Flowserve Corporation,	1900 South Saunders St. Rai	eigh, NC 27603 of N Certificate Holder)	
2. Manufactured for Exel	on Business Services, An Exelo	on Company P.O. Box 805388	Chicago, IL 60680-5388	
3. Location of installation _	Braidwood Station East of IL	53 1-1/2 miles South of RT 1	113 Braidwood, IL 60408	
4. Model No., Series No., or	Type 1500# CHECK VALVE D	72590565 / W-D-9905 rawing	7-(2) Rev	CRN N/A
5. ASME Code, Section III, D	Division 1: 1971	WINTER 1972 (addenda data)		N/A (Code Case no.)
6. Pump or valve Valve	Nominal inlet size	Outlet size	•	, , , , , , , , , , , , , , , , , , , ,
7. Material: (a) valve Body SA18 (b) pump Casing	82-F316 Bonnet SA479-316 Cover	Disk <u>SA479-316</u> Bolt Bolting	ting N/A	
(m) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body/Casing Serial No.	(d) Bonnet/Cover Serial No.	(e) Disk Serial No.
93BQW	N/A	A7-58	33619-1-2	33619-1-1

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

FORM NPV-1 (Back — Pg. 2 of ____)

					Cr	ertificate Hole	ider's Seria	al No	QW
		2580	650						
8.	. Design conditions	(pressure)	psi(temperature)	۴¢ ــــــ	or valve pressure clas	ss 1500			
9.	. Cold working pressure	3600	psi at 100°F	,					
		400 psi.			3960				ps
11.	Remarks: S.O. 58582 YOKE- Material SA105	j: Heat/S/N K456	<u>A1</u>						
			CERTIFIC	CATION OF	: DESIGN				
	esign Specification certification certification	ied by L. Ike Eze N/A				P.E. State	PA N/A	. Reg. no. Reg. no.	18379-E N/A
AS N	Ve certify that the statem ISME Code, Section III, Di I Certificate of Authorizati	Division 1. tion No	CERTIFICATION CERTIFICATION CONTROL CO	and that th	nis pump or valve co	1-26-2012	the rules		action of the
			CERTIFICA	ATE OF INS	SPECTION				
l, t	the undersigned, holding	a valid commissi employed by Hartford, CT			of Boiler and Pressur HSB CT ave inspected the pur				
Ву	9/23/10 accordance with the ASN y signing this certificate ne this Data Report. Furthern	, and state th ME Code, Section either the inspecto	hat to the best of my kno ill, Division 1. or nor his employer mal	owledge an ikes any wa	nd belief, the Certificat arranty, expressed or	ite Holder has implied, con	s construct	ted this pur se compone	mp, or valve,
or Da	r a loss of any kind arising ate $\frac{9/23/10}{}$ S	Signed	Authorized Nuclear Papector)		ommissions	<i>NUSY9</i> rt. 8d. (incl. endo) ofsements) er	nd state or pro	v. and no.)

	lon Generation Co., kelon Way, Kennett		i			e 1/25/2011 eet 1 of 1		
Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc								
3. Work Performed By: Shaw / Stone & Webster Code Symbol Stamp: None Address: 36400 S. Essex Road, Wilmington, IL 60481 Authorization No.: None								
4. Identification of S	ystem: Safety Injec	tion (SI) Class 1 sy	ystem		Exp	iration Date: None		
				nmer 1974 Addenda		644 Revision 7, 16 1686, 1651, 1728,		
	tion of Section XI Ut le Cases used: Nor		r Replacemen	ts: 2001 Edition with		and N-108 I		
Identification of Compo	onents 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)	
PSA-3 Mechanical Snubber 1SI09015S2	ITT Grinnell	S/N 15517	Not Applicable	1SI09015S2	1981	Replaced	No	
PSA-3 Mechanical Snubber	Basic-PSA Inc.	S/N 20643	Not Applicable	Cat ID 27863-1 UTC 2635990	19 82	Replacement	No	
Tests Conducted: Remarks: VT-3 example final review and is ma	Other		Applicable p	sig Test Temp. <u>No</u>			thed at the time of	
We certify that the statemen rules of the ASME Code, Se		rt are correct and t		nt conforms to the le Certificate of A	uthorization No.	: Not Applicable		
Signed Sounday Owner or Owner	C Custry er's Designee, Wile	ISI Coor	dinator [Date <u>1/25</u> ,	20_//_			
		and the second of the second o						
				VICE INSPECTION			No. 1	
I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the require	CT have inspected and belief, the Owr	the components de ner has performed	escribed in this	Owner's Report du	ring the period 1	0/11/2010 to 1/25/2	2011, and state that	
By signing this certificate ne measures described in this (property damage or a loss o	Owner's Report. Fu	rthermore, neither	the Inspector n	or his employer sha				
L. Janes								
Inspector's Signatu	ıre			Commissions Nat		ate, Province, and E	Endorsements	
Date 1 - 2 5 , 20 11	_							
	·							

	elon Generation Co. xelon Way, Kennett		3	Date: Sheet	3/29/2010 1 of 1		
2. Plant Name: B				Unit:	1_		
Address: 35100	S. Rte. 53, Suite 84	, Braceville, IL 604	107		Order #01156907-0 Replacement Org		ob No., etc
	By: Braidwood Med South Route 53, Bra		псе	Author	Code Symbol Stam ization No.: None tion Date: None	p: None	
4. Identification of S	System: SX (Essent	ial Service Water)	(Class 2)				
(b) Applicable Edi	nstruction Code: AS tion of Section XI Ut de Cases used: Nor	ilized for Repair/Re	74 Edition, Sun eplacement: 2	nmer 1974 Addend 2001 Edition with 20	la, No Code Cases 003 Addenda	1	
6. Identification of Comp	onents:		T	Ţ			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected Removed, or Installed	ASME Code Stamped (Yes or No)
Support 1SX09067G	Not Recorded	Not Recorded	Not Applicable	1SX09067G	Not Recorded	Removed/ Installed	No
3/32" E7018 Electrode	ESAB	Heat 90115	Not Applicable	Cat ID 8491-1 UTC 2847019	2009	Installed	No
cleaning of annubar. visual examination re 8. Tests Conducted: 9. Remarks: Applicable I certify that the statements Type Code Symbol Stamp: Signed Bunden Connection of Owner or Owner Owner or Owner	quirements, finished Hydrostatic	recorrect and this	ined by NF-52: inal Operating Applicable roce was attac FICATE OF CC conforms to the	22 visual inspection Pressure Exer psig Test Tem hed at the time of f CMPLIANCE he requirements of	n upon support resempt p. Not Applicable inal review and is a	etoration. "F maintained on file.	
I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the requirer By signing this certificate nei measures described in this C property damage or a loss of	CT have inspected and belief, the Own ments of the ASME ither the Inspector no Dwner's Report. Fur f any kind arising fro	ssued by the Nation the components de er has performed e Code, Section XI. or his employer ma thermore, neither t	nal Board of Bo escribed in this examinations a akes any warra the Inspector n	o Owner's Report di and taken corrective inty, expressed or i or his employer shapen. Commissions	Vessel Inspectors uring the period 11 emeasures descrit mplied, concerning all be liable in any	/19/2009 to 3/29/2 ped in this Owner! g the examinations manner for any pe	2010, and state that s Report in s and corrective ersonal injury or
Inspector's Signatu				Na	ational Board, State	s, Flovince, and E	nuorsements