ISI Summary Report Limerick Generating Station Unit 1

Refueling Outage: 1R14

Commercial Service Date: February 1, 1986

Examination Dates April 13, 2010 to March 22, 2012

Owner: Exelon Generating Company, LLC

200 Exelon Way

Kennett Square, PA 19348

Plant: Limerick Generating Station

3146 Sanatoga Road Pottstown, PA 19464

Report Completion Date: 6/15/12

Prepared By: Korrolin School

Reviewed By: Michille Karasek

Reviewed By: Ka O Jule

Approved By: Mollitab

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

1. Owner <u>Exe</u>	elon Generation Company, LLC. (Name and	200 Exelon Way, Kennett 1 Address of Owner)	Square, PA 19348	
2. Plant	Limerick Generating Station, 31 (Name an	46 Sanatoga Road, Pottst id Address of Plant)	own. PA 19464	,
3. Plant Unit	1	4. Owner Certificate of	f Authorization (if required	N/A
5. Commercial Service Dat	e <u>February 1, 1986</u>	6. National Board Nun	nber for Unit	3908
7. Components Inspected:				* A
Component or Appurtenance	Manufacturer or installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Nuclear Reactor				
Vessel	Chicago Bridge & Iron Co.	T31	B116767	NB3908
Primary Containment	Bechtel/			
Vessel	Chicago Bridge & Iron Co.	•	482256V	PASPEC5225
	<u> </u>			
Class 1, 2, & 3				
Piping Systems				
& Supports	•	•	•	•
		Andrew State of the Control		
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·.				
				7

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00029) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

^{*} Traceability per Form N-5 Data Report, Design Specification and Line Number.

FORM NIS-1 (Back)

8. Examination Dates <u>April 13, 2010</u> to <u>March 22, 2012</u>	
9. Inspection Period Identification: Period No. 2	· ·
10. Inspection Interval Identification: Third Interval, Inspection Program B (I	Si): Second Interval. Inspection Program B (CISI)
11. Applicable Edition of Section XI <u>2001</u> Addenda <u>2003 and Erratum</u>	-
12. Date/Revision of Inspection Plan: Procedure ER-LG-330-1001, Revision	4
13. Abstract of Examinations and Tests. Include a list of examinations and test Inspection Plan.	s and a statement concerning status of work required for the
Refer to Section 1, Summary of In-Service Inspection Results	
14. Abstract of Results of Examinations and Tests.	
Refer to Section 2, Summary of Reportable Conditions Observed	
15. Abstract of Corrective Measures.	
Refer to Section 3, Summary of ASME Section XI Repairs and Replace	cements
	•
We certify that a) the statements made in this report are correct, b) the exa	minations and tests meet the Inspection Plan as required by
the ASME Code. Section XI. and c) corrective measures taken conform to the re	iles di ule Maivie Code, aecubi Ai.
the ASME Code, Section XI, and c) corrective measures taken conform to the m	
Certificate of Authorization No. (if applicable)NA	Expiration Date N/A
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Certificate of Authorization No. (if applicable)	Expiration Date N/A y State of the state of
Certificate of Authorization No. (if applicable) NA Date 6 15 12 Signed Exelon Generation Co LLC E Owner CERTIFICATE OF INSERVICE I, the undersigned, holding a valid commission issued by the National Bo and the State or Province of Pennsylvania and employed by	Expiration Date N/A Y EINSPECTION Pard of Boiler and Pressure Vessel Inspectors HSBCT of
Certificate of Authorization No. (if applicable) NA Date 6 15 12 Signed Exelon Generation Co L.C E Owner CERTIFICATE OF INSERVICE I, the undersigned, holding a valid commission issued by the National Bound and the State or Province of Pennsylvania and employed by Hartford, Connecticut have inspected the components described and the State of Province of Pennsylvania and employed by Hartford, Connecticut have inspected the components described and the State of Province of Pennsylvania and employed by Hartford, Connecticut have inspected the components described and the State of Province of Pennsylvania and Exercise Connecticut have inspected the components described and the State of Province of Pennsylvania and Exercise Connecticut have inspected the components described and the State of Province of Pennsylvania and Exercise Connecticut have inspected the components described and the State of Province of Pennsylvania and Exercise Connecticut have inspected the components described and the State of Province of Pennsylvania and Exercise Connecticut have inspected the components described and the State of Province of Pennsylvania and Exercise Connecticut have inspected the Connecticut hav	Expiration Date N/A Y EINSPECTION Pard of Boiler and Pressure Vessel Inspectors HSBCT of Ibed in this Owner's Report during the period
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Certificate of Authorization No. (if applicable) N/A Date 6 15 12 Signed Exelon Generation Co. LLC Exelon Generation Counter I, the undersigned, holding a valid commission issued by the National Bo and the State or Province of Pennsylvania and employed by Hartford, Connecticut have inspected the components described has performed examinations and tests and taken corrective measures dewith the Inspection Plan and as required by the ASME Code, Section XI By signing this certificate neither the Inspector nor his employer maconcerning the examinations, tests, and corrective measures described	Expiration Date N/A INSPECTION Pard of Boiler and Pressure Vessel Inspectors HSBCT of libed in this Owner's Report during the period lest of my knowledge and belief, the Owner asscribed in this Owner's Report in accordance likes any warranty, expressed or implied, in this Owner's Report. Furthermore, neither the
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Certificate of Authorization No. (if applicable) Date Go IS IZ Signed Exelon Generation Co LLC Exelon Genera	Expiration Date N/A Section EINSPECTION Pard of Boiler and Pressure Vessel Inspectors HSBCT Of Section of Management Section Section of Management

Introduction

Examination Period and Requirements

During the period from April 13, 2010 to March 22, 2012 In-Service Inspections were performed at Limerick Generating Station Unit 1. Unit 1 was shutdown for the fourteenth refuel outage during the period of February 20, 2012 through March 22, 2012.

The examinations of the Reactor Pressure Vessel and Class 1, 2, and 3 Piping Systems and Supports were completed in accordance with ASME Section XI, 2001 Edition with the 2003 Addenda and Erratum. These examinations will be credited towards the second period of the third ten-year Inservice Inspection (ISI) interval.

The examinations of the Primary Containment Vessel Class MC and CC Components were performed in accordance with the requirements of ASME Section XI, 2001 Edition with the 2003 Addenda and Erratum. The inspections performed during this period were credited towards the second period of the second ten-year Containment Inservice Inspection (CISI) interval.

In addition to ASME Section XI, Augmented In-Service Inspections were performed in accordance with the following regulatory requirements and industry guidance.

Generic Letter 88-01	Intergranular Stress Corrosion Cracking
NUREG-0800	No Break Boundaries
GE SIL No 455	Recommendation for Additional ISI of Alloy 182 Nozzle Weldments
FSAR Table 3.2-1	Non-Q RPV Internal Components
BWRVIP-18, Rev 1	Core Spray Internals Inspection and Flaw Evaluation Guideline
BWRVIP-41, Rev 3	Jet Pump Inspection and Flaw Evaluation Guideline
BWRVIP-42-A	LPCI Coupling Inspection and Flaw Evaluation Guideline
BWRVIP-48-A	Pressure Vessel ID Attachment Welds Inspection and Flaw Evaluation
	Guideline
BWRVIP-75-A	Technical Basis for Revision to Generic Letter 88-01 Inspection Schedules
BWRVIP-76, Rev 1	Core Shroud Inspection and Flaw Evaluation Guideline
BWRVIP-139-A	Steam Dryer Inspection and Flaw Evaluation Guideline
BWRVIP-180	Access Hole Cover Inspection and Flaw Evaluation Guideline
BWRVIP-183	Top Guide Inspection and Flaw Evaluation Guideline
BWRVIP-222	Accelerated Inspection Program for BWRVIP-75-A Category C Dissimilar
	Metal Welds containing Alloy 182

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
BB	600210	B-A	ΧI	UT	99.3	RI	2/25/2012	XI-RPV-1
Shell Ring No. 1 Vertical Seam Weld	1	B1.12				•	÷	5 Indications- acceptable per IWB- 3000
BC	600230	B-A	XI	UT	98.2	RI	2/23/2012	XI-RPV-1
Shell Ring No. 1 Vertical Seam Weld	1	B1.12			· ·			1 Indication- acceptable per IWB-3000
BD	600250	B-A	. XI	UT	100	RI.	2/25/2012	XI-RPV-1
Shell Ring No. 2 Vertical Seam Weld	1	B1.12		·	•		,	6 Indications- acceptable per IWB-3000
BF	600290	B-A	ΧI	UT	86.9	RI	2/23/2012	XI-RPV-1
Shell Ring No. 2 Vertical Seam Weld	1	B1.12						4 Indications- acceptable per IWB-3000
BG	600310	B-A	XI	UT	94.6	· RI	2/29/2012	XI-RPV-1
Shell Ring No. 3 Vertical Seam Weld	1	B1.12						1 Indication- acceptable per IWB- 3000
AJ	600450	B-A	ΧI	UT	100	NRI	2/25/2012	XI-RPV-1
Bottom Head Dollar Plate Weld	1	B1.21						Inspected 180 to 360 degrees
DA	600470	B-A	XI	UT	84.3	NRI	2/24/2012	XI-RPV-1
Bottom Head Weld	1	B1.22						· :
DB	600480	B-A	XI	UT	84.3	NRI	2/24/2012	XI-RPV-1
Bottom Head Weld	1	B1.22						
DC	600490	B-A	ΧI	UT	84.3	NRI	2/24/2012	XI-RPV-1
Bottom Head Weld	1	B1.22	<i>:</i>	· Land	yn en			
DM	600610	B-A	ΧI	UT	100	NRI	2/25/2012	XI-RPV-1
Closure Head Weld	. 1.	B1.22		:	2.			۲ ['] .
N1A-IR	600650	B-D	ΧI	UT	100	NRI	2/28/2012	XI-RPV-1
Recirculation Outlet "A"	1	B3.100						
Loop Nozzle Inside Radius Section								•••
N4A-IR	601100	- BB	ΧI	UΤ	100	NDI	2/26/2012	XI-RPV-1
Feedwater "A" Loop Nozzle Inside Radius Section	601130 1	B-D B3.100	AI .	01		NRI		Al-MFV-1
N4E-IR	601250	B-D	ΧI	UT	100	NRI	2/26/2012	XI-RPV-1
Feedwater "E" Loop Nozzle Inside Radius Section	1	B3.100	• •					
N4F-IR	601280	B-D	ΧI	UT	100	NRI	2/26/2012	XI-RPV-1
Feedwater "F" Loop Nozzle Inside Radius Section	1	B3.100						
N1A	600640	B-D	ΧI	UT	91.4	RI	2/27/2012	XI-RPV-1
Recirculation Outlet "A" Loop Nozzle to Vessel Weld	1	B3.90						9 Indications- acceptable per IWB- 3000

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
N4A	601120	B-D	XI .	UΤ	95.6	RI	2/28/2012	XI-RPV-1
Feedwater "A" Loop Nozzle to Vessel Weld	1	B3.90						1 Indication- acceptable per IWB- 3000
N4E .	601240	B-D	XI	UT	95.6	RI	2/25/2012	XI-RPV-1
Feedwater "E" Loop Nozzie to Vessel Weld	1	B3.90					. '	1 Indication- acceptable per IWB-3000
N4F	601270	B-D	ΧI	UT	95.6	NRI	2/26/2012	XI-RPV-1
Feedwater "F" Loop Nozzle to Vessel Weld	1	B3.90					``	·
RPV CLOSURE HEAD NUTS	602340	B-G-1	ΧI	VT-1	100	NRI	2/29/2012	XI-RPV-1 PG. 3
Nuts SN 1 - SN 76 - Bolting > 2 IN. Dia.	1	B6.10			٠	·		Examined nuts 27 though 52
RPV CLOSURE STUDS	602350	B-G-1	XI	UT	100	NRI	2/21/2012	XI-RPV-1 PG. 3
Studs SN 1 - SN 76 - Bolting > 2 IN. DIA.	1	B6.20						Examined studs 27 through 52
RRA-P-C001A Nuts	108352	B-G-1	XI	VT-1	100	NRI	2/27/2012	XI-1P-201
16 Pump Casing Nuts	1	B6.200						
THREADED HOLES IN RPV FLANGE	602370	B-G-1	XI	UT	91.6	NRI	2/22/2012	XI-RPV-1 PG. 3
Holes SN1 - SN 76 - Bolting > 2 IN. Dia.	1 .	B6.40	·		÷			Examined threaded holes 27 through 52
RPV CLOSURE WASHERS	602380	B-G-1	ΧI	VT-1	100	NRI	2/29/2012	XI-RPV-1 PG. 3
Washers SN 1 - SN 76 - Bolting > 2 IN. Diameter	1	B6.50	•					Examined washers 27 through 52
CRD HOUSING FLANGE BOLTING	600000	B-G-2	Xi	VT-1	100	NRI	2/14/2012	XI-BE-5 PG. 1
185 CRD Housing Flanges - 8 Cap Screws per Flange	1 23 June 1	B7.80	<i>1</i>				·	Control Rod Drives replaced: 10-15, 10-47, 14-43, 18-35, 18-51, 18-55, 22-19, 26-03, 26-11, 26-35, 34-35, 34-47, 38-07, 42-47, 42-55, 46-11, 50-47, 54-19, and 58-19
:								O-rings replaced: 50-15 and 54-31
CG	602530	В-К	XI	MT	100	NRI	2/23/2012	XI-RPV-1 PG. 3
Skirt Knuckle to RPV Wel	d 1	B10.10					N-700	Examined 180 to 360 degrees
FR	602520	В-К	XI	MT	100	NRI	2/23/2012	XI-RPV-1 PG. 3
RPV Weld Build-Up - Integrally Welded Attachment	1	B10.10					N-700	Examined 180 to 360 degrees
DCA-105-H002 (IA)	118180	в-к	ΧI	PT	100	NRI	3/2/2012	FIG-01-111
Pipe Support, 4 Lugs	1	B10.20						
ST-4-041-952-1		B-P	XI	VT-2	100	NRI	3/5/2012	ST-INDEX:
RPV Head Flange Seal Leak Detection System	1	B15.10						Pressure test credited for I-3 P-2.
ST-4-041-950-1		B-P, C-H	XI	VT-2	100	NRI	3/14/2012	ST-INDEX
ISI Pressure Test for all Class 1 Systems and some Class 2 Systems	1,2	B15.10					,	Pressure test credited for I-3 P-2.

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
RHR-HXAR-4	244761	C-A	XI	UT	100	NRI	3/3/2012	XI-1E-205
Shell Ring 1 to Flange Weld	2	C1.10						er er
RHR-HXAR-N4IR	244801	C-B	XI	UT	25	NRI	3/2/2012	XI-1E-205
Nozzle N4 Inner Radius	2	C2.22						
RHR-HXAR-2-A (IA)	260141	c-c	XI .	MT	100	NRI	3/3/2012	XI-1E-205
Heat Exchanger Support, Bot. Mtg. A	2	C3.10				•		
EBB-135-H002 (IA)	243940	C-C	XI	MT	92.4	NRI	3/3/2012	FIG-06-103
Pipe Support, 4 Lugs	2	C3.20						·
EBB-135-H025 (IA)	243950	C-C	XI	MT	96	NRI	2/27/2012	FIG-06-103
Pipe Support, 8 Lugs	2	C3.20						
GBB-112-H001 (IA)	231645	С-С	Xi	MT	100	NRI	2/22/2012	FIG-04-106
Pipe Support, # Lugs	2	C3.20						
HBB-117-H018 (IA)	259960	C-C	ΧI	MT	100	NRI	3/2/2012	FIG-01-103
Pipe Support, 8 Lugs	2	C3.20					. •	
RC-P-PS1 (IA)	243980	C-C	ΧI	MT	84.1	NRI	2/24/2012	XI-10P-203
Pump Support, Structure	2	C3.30						
RC-P-SWD1	241730	C-G	ΧI	MT	100	NRI	2/24/2012	XI-10P-203
Outlet Nozzle to Casing Weld	2	C6.10		•				+ :
RC-P-SWS1	241740	C-G	XI	MT	100	NRI	2/24/2012	XI-10P-203
Inlet Nozzie to Casing Weld	2	C6.10	2 .			,		
ST-4-001-950-1		C-H	XI	VT-2	100	NRI	2/20/2012	ST-INDEX
ISI Inservice Pressure Test of the Main Steam System	2	C7.10						Pressure test credited for I-3 P-2.
ST-4-013-950-1		С-Н	ΧI	VT-2	100	NRI	1/19/2012	ST-INDEX
ISI Inservice Pressure Test of Class II RECW Piping	2	C7.10						Pressure test credited for I-3 P-2.
ST-4-030-950-1		C-H	XI	VT-2	100	NRI	3/13/2012	ST-INDEX
Pass and Containment Atmospheric Control Sample Loops Functional Pressure Test and Contaminated Piping Inspection	2	C7.10					,	Pressure test credited for I-3 P-2.
ST-4-044-950-1		С-Н	ΧI	VT-2	100	NRI	3/14/2012	ST-INDEX
ISI Inservice Pressure Test of Reactor Water Clean-Up	2	C7.10						Pressure test credited for I-3 P-2
ST-4-047-952-1		С-Н	Xi	VT-2	100	NRI	6/30/2011	ST-INDEX
ISI Pressure Test of East Bank of CRD HCU'S	2 .	C7.10						Pressure test credited for I-3 P-2

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
ST-4-047-953-1		С-Н	ΧI	VT-2	100	NRI	6/30/2011	ST-INDEX
ISI Pressure Test of West Bank of CRD HCU'S	2	C7.10						Pressure test credited for 1-3 P-2
ST-4-048-950-1	<u>-</u> -	C-H	XI	VT-2	100	NRI	9/2/2011	ST-INDEX
ISI Functional Pressure Test of Standby Liquid Control Discharge Piping to Squib Valves	2	C7.10			•			Pressure test credited for I-3 P-2
ST-4-048-951-1		C-H	XI	VT-2	100	NRI	3/11/2012	ST-INDEX
ISI Functional Pressure Test of Standby Liquid Control Piping Downstream of Squib Valves	2	C7.10		ü				Pressure test credited for I-3 P-2
ST-4-048-952-1		С-Н	ΧI	VT-2	100	NRI	8/30/2011	ST-INDEX
ISI Inservice Pressure Test of Standby Liquid Control Suction Piping	2	C7.10	٠		;			Pressure test credited for I-3 P-2
ST-4-049-951-1		C-H	XI	VT-2	100	RI	1/4/2012	ST-INDEX
ISI Inservice Pressure Test of RCIC Pump and Turbine Supply	2	C7.10					·	Leakage identifed at bolted connection IR1293336. Pressure test credited for I-3 P-2
ST-4-051-955-1		С-Н	Xi	VT-2	100	NRI	3/7/2012	ST-INDEX
ISI Inservice Pressure Test of RHR Shutdown Cooling	2	· C7.10					. •	Pressure test credited for I-3 P-2
ST-4-052-953-1		С-Н	XI	VT-2	100	NRI	9/22/2010	ST-INDEX
ISI Functional Pressure Test of Safeguard Piping Fill Loops A and B	2	C7.10						Pressure test credited for I-3 P-1
ST-4-055-952-1		С-Н	ΧÏ	VT-2	100	NRI	3/14/2012	ST-INDEX
ISI Pressure Test of HPC Discharge to Core Spray	2	C7.10	·					Pressure test credited for I-3 P-2
ST-4-061-950-1		C-H	XI	VT-2	100	NRI	3/8/2012	ST-INDEX
ISI Inservice Pressure Test of Liquid Radwaste Collection System	2	C7.10						Pressure test credited for I-3 P-2
ST-4-087-950-1		С-Н	ΧI	VT-2	100	NRI	11/9/2011	ST-INDEX
ISI Inservice Pressure Test of Class 2 Drywell Chilled Water System Components	2	C7.10		,				Pressure test credited for I-3 P-2
ST-4-LLR-222-1		C-H	XI	LLRT	100	NRI	3/7/2012	ST-INDEX
Drywell Purge Supply LLRT, Penetration X-25	2	C7.10				,		Pressure test credited for I-3 P-2 Relief Request I3R-12
ST-4-LLR-231-1		C-H	XI	LLRT	100	NRI	3/9/2012	ST-INDEX
Drywell Purge Exhaust LLRT, Penetration X-26	2	C7.10						Pressure test credited for I-3 P-2 Relief Request I3R-12
ST-4-LLR-232-1		С-Н	ΧI	LLRT	100	NRI	3/6/2012	ST-INDEX
Drywell Purge Exhaust LLRT, Penetration X-26	2	C7.10						Pressure test credited for I-3 P-2 Relief Request I3R-12

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual' Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
ST-4-LLR-262-1		C-H	ΧI	LLRT	100	NRI	3/12/2012	ST-INDEX
Drywell H2/O2 Sample LLRT, Penetration X-28A	2	C7.10					•	Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-271-1		C-H	XI	LLRT	100	NRI	3/10/2012	ST-INDEX
Drywell H2/O2 Sample LLRT, Penetration X-28B	2	C7.10						Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-541-1		С-Н	XI	LLRT	100	NRI	3/11/2012	ST-INDEX
H2/O2 Sample Return LLRT, Penetration X-62/X- 220A		C7.10	.¥					Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-571-1		C-H	XI	LLRT	100	NRI	3/8/2012	ST-INDEX
Suppression Pool Purge Supply LLRT, Penetration X-201A	2	C7.10						Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-572-1	·	C-H	ΧI	LLRT	100	NRI	3/8/2012	ST-INDEX
Suppression Pool Purge Supply LLRT, Penetration X-201A/X-25	2	C7.10		:				Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-581-1	· · · · · · · · · · · · · · · · · · ·	C-H	XI	LLRT	100	NRI	3/6/2012	ST-INDEX
Suppression Pool Purge Exhaust, Penetration X- 202	2	C7.10		v			. •	Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-582-1	3.8	C-H	ΧI	LLRT	100	NRI	3/10/2012	ST-INDEX
Suppression Pool Purge Exhaust LLRT, Penetration X-202	2	C7.10						Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-831-1		С-Н	XI	LLRT	100	NRI	3/9/2012	ST-INDEX
Wetwell H2/O2 Sample LLRT, Penetration X-221A	2	C7.10	/				3/3/2012	Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-LLR-841-1		С-Н	XI	LLRT	100	NRI	3/9/2012	ST-INDEX
Wetwell H2/O2 Sample LLRT, Penetration X-221E	2	C7.10						Pressure test credited for I-3 P-2. Relief Request I3R-12
ST-4-042-951-1		C-H, D-B	ΧI	VT-2	100	NRI	3/14/2012	ST-INDEX
ISI Inservice Pressure Test of Class 2 and 3 Instrument Tubing and Suppression Pool Cleanup Piping	2,3	C7.10, D2.10						Pressure test credited for I-3 P-2.
ST-4-047-951-1		C-H, D-B	XI	VT-2	100	NRI	3/14/2012	ST-INDEX
ISI Pressure Test of Class 2 SCRAM Discharge Volume Components	3 2,3	C7.10, D2.10	r 15		.35		w. r. ii mo i m	Pressure test credited for I-3 P-2.
ST-4-057-951-1	*	C-H, D-B	XI	VT-2	100	NRI	3/11/2012	ST-INDEX
A Post LOCA Recombiner Pneumatic Pressure Test and Contaminated Piping Inspection	r 2,3	C7.10, D2.10						Pressure test credited for I-3 P-2.

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
ST-4-057-952-1		C-H, D-B	ΧI	VT-2	100	NRI	3/14/2012	ST-INDEX
B Post LOCA Recombiner Pneumatic Pressure Test and Contaminated Piping Inspection	2,3	C7.10, D2.10						Pressure test credited for I-3 P-2.
ST-4-059-955-1		C-H, D-B	Xi	VT-2	100	NRI	3/14/2012	ST-INDEX
Service Air & PCIG Drywell Piping Inservice Test	2,3	C7.10, D2.10						Pressure test credited for I-3 P-2.
GBC-101-H029 (IA)	374140	D-A	Xi	VT-1	100	NRI	2/28/2012	GBC-101-013
Pipe Support, 4 Lugs	3	D1.20						
GBC-101-H044 (IA)	374220	D-A	XI	VT-1	100	NRI	2/28/2012	GBC-101-5
Pipe Support, 4 Lugs	3	D1.20						
GBC-103-H004 (IA)	379650	D-A	XI	VT-1	100	NRI	3/2/2012	GBC-103-1
Pipe Support, 4 Lugs	3	D1.20					:	
HBC-192-H904 (IA)	368660	D-A	XI	VT-1	100	NRI	2/22/2012	HBC-192-4
Pipe Support, Anchor Sleeve	3	D1.20						·
ST-4-011-955-0		D-B	XI	VT-2	100	NRI	8/8/2011	ST-INDEX
ISI Functional Pressure Test of Emergency Service Water Pump C	3	D2.10				·		Pressure test credited for I-3 P-2.
ST-4-011-956-0		D-B	XI	VT-2	100	NRI	4/29/2011	ST-INDEX
ISI Functional Pressure Test of Emergency Service Water Pump D	3	D2.10						Pressure test credited for I-3 P-2.
ST-4-012-951-0		D-B	XI	VT-2	100	NRI	10/6/2011	ST-INDEX
ISI Functional Pressure Test of Residual Heat Removal Service Water Loop A	3	D2.10			· :			Pressure test credited for I-3 P-2.
ST-4-012-951-1		D-B	XI	VT-2	100	NRI	8/10/2011	ST-INDEX
ISI Functional Pressure Test of 1B Residual Heat Removal Service Water HX	3	D2.10						Pressure test credited for I-3 P-2.
ST-4-012-952-0		D-B	ΧI	VT-2	25	NRI	2/9/2012	ST-INDEX
ISI Functional Pressure Test of Residual Heat Removal Service Water Loop B	3	· D2.10						Partial Pressure test credited for I-3 P-2.
ST-4-012-952-0		D-B	ΧI	VT-2	75	NRI	11/11/2011	ST-INDEX
ISI Functional Pressure Test of Residual Heat Removal Service Water Loop B	·· 3	D2.10		·				Partial Pressure test credited for I-3 P-2.
ST-4-012-955-0	 	D-B	XI	VT-2	100	NRI	1/4/2012	ST-INDEX
ISI Functional Pressure Test of Residual Heat Removal Service Water Pump A	3	D2.10						Pressure test credited for I-3 P-2

Section 1: Limerick 1R14 ISI Component Examination Results

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
ST-4-012-956-0		D-B	ΧI	VT-2	100	NRI	11/11/2011	ST-INDEX
SI Functional Pressure Fest of Residual Heat Removal Service Water Pump B	3	D2.10					·	Pressure test credited for I-3 P-2.
ST-4-012-957-0		D-B	ΧI	VT-2	100	NRI	1/4/2012	ST-INDEX
ISI Functional Pressure Test of Residual Heat Removal Service Water Pump C	3	D2.10						Pressure test credited for I-3 P-2.
ST-4-012-958-0		D-B	XI	VT-2	100	NRI	8/10/2011	ST-INDEX
ISI Functional Pressure Test of Residual Heat Removal Service Water Pump D	3	D2.10						Pressure test credited for I-3 P-2.
ST-4-012-962-0		D-B	ΧI	VT-2	100	NRI	7/1/2010	ST-INDEX
ISI Pressure Test of Residual Heat Removal Service Water "C" Spray Network	3	D2.10						Pressure test credited for I-3 P-1
ST-4-012-963-0		D-B	XI	VT-2	100	NRI	6/14/2010	ST-INDEX
ISI Pressure Test of Residual Heat Removal Service Water "D" Spray Network	3	D2.10						Pressure test credited fro I-3 P-1
ST-4-020-962-1		D-B	ΧI	VT-2	100	NRI	8/11/2011	ST-INDEX
D12 Diesel Fuel Oil Storage and Transfer System Buried Pipe and Storage Tank 1BT527 Pressure Decay Test	3 :	D2.10		-				Pressure test credited for I-3 P-2
ST-4-020-963-1		D-B	XI	VT-2	100	NRI	8/16/2011	ST-INDEX
D13 Diesel Fuel Oil Storage and Transfer System Buried Pipe and Storage Tank 1CT527	3	D2.10						Pressure test credited for I-3 P-2
Pressure Decay Test							0/0/0040	
ST-4-041-951-1 ISI Pressure Test of Class 3 MSIV Accumulators and Pipe		D-B D2.10	ΧI	VT-2	100	NRI	3/9/2012	ST-INDEX Pressure test credited for I-3 P-2
ST-4-059-953-1		D-B	XI	VT-2	100	NRI	3/12/2012	ST-INDEX
PCIG Loop "A" Pressure Decay Test	3	D2.10						Pressure test credited for I-3 P-2
ST-4-059-954-1		D-B	XI	VT-2	100	NRI	3/12/2012	ST-INDEX
PCIG Loop "B" Pressure Decay Test	3	D2.10						Pressure test credited for I-3 P-2
ST-4-090-950-0		D-B	ΧI	VT-2	100	NRI	9/22/2011	ST-INDEX
ISI Inservice Pressure Test of Control Structure Chilled Water Loop "A"	3	D2.10						Pressure test credited for I-3 P-2

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
ST-4-090-951-0		D-B	XI	VT-2	100	NRI	12/1/2011	ST-INDEX
SI Inservice Pressure Fest of Control Structure Chilled Water Loop "B"	3	D2.10						Pressure test credited for I-3 P-2.
ST-4-092-962-1		D-B	XI	VT-2	100	NRI	7/11/2011	ST-INDEX
SI Pressure Test of the D12 Diesel (1BG501) Fuel and Diesel Oil Storage and Transfer Systems	3	D2.10	^1	V1-2			77112011	Pressure test credited for I-3 P-2.
ST-4-092-963-1		D-B	XI ·	VT-2	100	NRI	8/17/2011	ST-INDEX
SI Pressure Test of the D13 Diesel (1CG501) Fue and Diesel Oil Storage and Transfer Systems	· 3	D2.10						Pressure test credited for I-3 P-2.
ST-4-092-964-1	······································	D-B	XI	VT-2	100	NRI	6/28/2011	ST-INDEX
ISI Pressure Test of the D14 Diesel (1DG501) Fue and Diesel Oil Storage and Transfer Systems	3 I	D2.10				÷		Pressure test credited for I-3 P-2
10S199-DS	902100	E-A	XI	GV	100	NRI	3/6/2012	C-0294 SH. 1
Diaphragm Slab	MC	E1.11						
10S199-DS-IA	900060	E-A	XI	GV	100	NRI	3/6/2012	C-0284 SH. 1
Diaphragm Slab - Integral Attachment	MC ·	E1.11					· · · ·	
10S199-DWH	900020	E-A	Xi	GV	100	RI	3/6/2012	C-0290 SH. 1
Drywell Head	MC	E1.11						IR1332997
10S199-DWH-Bolt	900985	E-A	ΧI	VT-3	100	NRI	3/6/2012	C-0290 SH. 1
Drywell Head - Bolting	MC	E1.11					-	Bolting disassembled
10S199-DWH-LF	900030	E-A	XI	GV	100	NRI	3/6/2012	C-0290 SH. 1
Drywell Head - Lower Flange	MC	E1.11						* 5
10S199-DWH-LFSP	900040	E-A	ΧI	GV	100	NRI	3/6/2012	C-0290 SH. 1
Drywell Head - Lower Flange Seal Plate	MC	E1.11						
10S199-DWL	900000	E-A	XI	GV	100	NRI	3/6/2012	C-0276 SH. 1
Drywell Liner	· MC	E1.11						
10S199-PEN	902530	E-A	ΧI	GV	100	NRI	3/6/2012	C-0287 SH. 1
All Penetrations of Containment	MC	E1.11						•
10S199-SPL-VS	900010	E-A	XI	GV	100	NRI	3/6/2012	C-0247 SH. 1
Suppression Pool Liner - Vapor Space	MC .	E1.11						
10S199-ST-IA	900050	E-A	Xì	G۷	100	NRI	3/6/2012	C-0286 SH. 1
Seismic Truss - Integral Attachment	MC .	E1.11				•		
10X-001-Bolt	900995	E-A	XI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Equipment Access Hatch - Bolting	MC	E1.11						Bolting disassembled

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
10X-002-Bolt	901005	E-A	ΧI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Personnel Airlock - Bolting	MC	E1.11						Botting disassembled
10X-004-Bolt	901015	E-A	XI	E-TV	100	NRI	3/6/2012	C-0279 SH. 1
Drywell Head Access Manhole - Bolting	MC	E1.11						Bolting in place and under tension.
10X-006-Bolt	901025	E-A	XI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
CRD Hatch - Bolting	MC	E1.11						Bolting disassembled
10X-035A-Bolt	901027	E-A	XI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Spare .	MC	E1.11						Bolting in place and under tension.
10X-035B-Bolt	901035	E-A	ΧI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Instrument Gas to Tip Purge Line - Bolting	MC	E1.11						Bolting in place and under tension.
10X-035C-Bolt	901045	E-A	XI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Tip Drive - Bolting	MC	E1.11						Bolting in place and under tension.
10X-035D-Bolt	901055	E-A	XI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Tip Drive - Bolting	MC	E1.11	,		•			Bolting in place and under tension.
10X-035E-Bolt	901065	E-A	XI	VТ-3	100	NRI	3/6/2012	C-0279 SH. 1
Tip Drive - Bolting	MC	E1.11						Bolting in place and under tension.
10X-035F-Bolt	901075	E-A	XI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Tip Orive - Bolting	MC	E1.11						Bolting in place and under tension.
10X-035G-Bolt	901085	E-A	XI	VТ-3	100	NRI	3/6/2012	C-0279 SH. 1
Tip Drive - Bolting	MC	E1.11						Bolting in place and under tension.
10X-200A-Bolt	901095	E-A	XI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Suppression Pool Access Hatch - Bolting	MC	E1.11				t	· '.	Bolting disassembled
10X-200B-Bolt	901105	E-A	ΧI	VT-3	100	NRI	3/6/2012	C-0279 SH. 1
Suppression Pool Access Hatch - Bolting	MC	E1.11						Bolting disassembled
10S199-SPL-SS	900300	E-A	NA	VT-3	100	RI	3/6/2012	C-0247 SH. 1
Suppression Pool Liner - Submerged Space	MC	E1.12						Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection IR 1364843
10S199-VS-DW	900580	E-A	NA	VT-3	100	NRI	3/6/2012	C-0293 SH. 1
Vent System - Drywell	MC	E1.20						No ASME credit taken for the inspection.
10S199-VS-PSV-137A	900581	E-A	NA	VT-3	100	NRI	2/26/2012	C-0293
Vent System - Vacuum Breakers PSV-137A	MC	E1.20						No ASME credit taken for the inspection.
10S199-VS-PSV-137A Bolting	900586	E-A	XI	VT-3	100	NRI	3/6/2012	C-0293
Vent System - Vacuum Breakers PSV-137A Bolting	MC	E1.20						Bolting in place and under tension.

Component ID Description	Summary # Class	Category Item	Exam: Reason	Actual Exam	Code Coverage	Exam Results	insp. Date Code Cases	Iso Number Exam Comments
10S199-VS-PSV-137B	900582	E-A	NA	VT-3	100	NRI	2/26/2012	C-0293
Vent System - Vacuum Breakers PSV-137B	MC .	E1.20						No ASME credit taken for the inspection.
10S199-VS-PSV-137B Bolting	900587	E-A	XI	VT-3	100	NRI	3/6/2012	C-0293
Vent System - Vacuum Breakers PSV-137B Bolting	MC	E1.20				•		Bolting in place and under tension.
10S199-VS-PSV-137C	900583	E-A	NA	VT-3	100	NRI	2/26/2012	C-0293
Vent System - Vacuum Breakers PSV-137C	MC	E1.20						No ASME credit taken for the inspection.
10S199-VS-PSV-137C Bolting	900588	E-A	Xi	VT-3	100	NRI	3/6/2012	C-0293
Vent System - Vacuum Breakers PSV-137C Bolting	MC	E1.20						Bolting in place and under tension.
10S199-VS-PSV-137D	900584	E-A	NA	VT-3	100	NRI	2/26/2012	C-0293
Vent System - Vacuum Breakers PSV-137D	MC	E1.20						No ASME credit taken for the inspection.
10S199-VS-PSV-137D Bolting	900589	E-A	XI	VT-3	100	NRI	3/6/2012	C-0293
Vent System - Vacuum Breakers PSV-137D Bolting	MC	E1.20			•			Bolting in place and under tension
10S199-VS-SPSS	900600	E-A	NA	VT-3	100	RI	3/6/2012	C-0293 SH. 1
Vent System – Suppression Pool Submerged Space	MC	E1.20						No ASME credit taken for the inspection. IR 1364843
10S199-VS-SPVS	900590	E-A	NA	VT-3	100	NRI	2/26/2012	C-0293 SH. 1
Vent System – Suppression Pool Vapor Space	MC	E1.20		:••				No ASME credit taken for the inspection.
APE-1MS-HHA1	103990	F-A	ΧI	VT-3	100	RI	2/25/2012	FIG-03-101
Variable Support	1	F1.10						IR1333019
APE-1MS-HHA2	104000	F-A	XI	VT-3	100	NRI	2/25/2012	FIG-03-101
Variable Support	. 1	F1.10						
APE-1MS-HHB1	104360	F-A	XI	VT-3	100	NRI	2/25/2012	FIG-03-101
Variable Support	1	F1.10	•					
APE-1MS-HHC1	104770	F-A	XI	VT-3	100	NRI	2/27/2012	FIG-03-104
Variable Support	1	F1.10						
APE-1MS-HHD1	105140	F-A	Xi	VT-3	100	NRI	2/28/2012	FIG-03-104
Variable Support	1	F1.10			-			1.1
APE-1MS-HHD2	105150	F-A	XI	VT-3	100	NRI	2/29/2012	FIG-03-104
Variable Support	1	F1.10		-	-			
APE-1MS-X7C	104800	F-A	XI	VT-3	100	NRI	3/4/2012	FIG-03-104
Anchor	. 1	F1.10		-		>		

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
DCA-101-H003	112530	F-A	ΧI	VT-3	100	RI	3/7/2012	FIG-08-102
Variable Support	1	F1.10						IR1338149
DCA-101-H006	112560	F-A	XI	VT-3	100	NRI	2/29/2012	FIG-08-102
Rigid Restraint	1	F1.10	,					·
DCA-101-H007	112570	F-A	ΧI	VT-3	100	NRI	2/29/2012	FIG-08-102
Rigid Restraint	1	F1.10						
DCA-101-H013	112630	F-A	ΧI	VT-3	100	NRI	2/29/2012	FIG-08-102
Mechanical Snubber	s 1.	F1.10						
DCA-104-H001	116440	F-A	ΧI	VT-3	100	NRI	2/23/2012	FIG-01-104
Variable Support	1	F1.10		•				:
DCA-104-H007	115430	F-A	XI	VT-3	100	NRI	3/2/2012	FIG-01-101
Variable Support	1	F1.10						
DCA-104-H009	115450	F-A	ΧI	VT-3	100	NRI	3/2/2012	FIG-01-101
Variable Support	· 1	F1.10						
DCA-104-H010	115460	F-A	ΧI	VT-3	100	NRI	3/2/2012	FIG-01-101
Variable Support	1	F1.10	•				·	
DCA-104-H029	115550	F-A	XI	VT-3	100	NRI	3/2/2012	FIG-01-101
Mechanical Snubber	1	F1.10						<i>:</i>
DCA-105-H002	118010	F-A	ΧI	VT-3	100	NRI	2/28/2012	FIG-01-111
Variable Support	1.4	F1.10					•	
DCA-105-H004	118030	F-A	ΧI	VT-3	100	NRI	2/28/2012	FIG-01-111
Variable Support	1	F1.10						
DCA-105-H011	118100	F-A	ΧI	VT-3	100	NRI	2/29/2012	FIG-01-111
Mechanical Snubber	1	F1.10						
DCA-177-E01-H001	109590	F-A	AD	VT-3	100	NRI	3/5/2012	FIG-07-103
Variable Support	1	F1.10					,	Additional Scope- IR1335559 (N 586-1 eval)
DCA-177-E01-H004	109620	F-A	AD	VT-3	100	NRI	3/5/2012	FIG-07-103
Variable Support	1 .	F1.10						Additional Scope- IR1335559 (N 586-1 eval)
DCA-177-E01-H007	109650	F-A	AD	VT-3	100	RI	3/5/2012	FIG-07-103
Variable Support	1	F1.10						Additional Scope- IR1335559 (N 586-1 eval) IR1336918
DCA-177-E01-H008	109660	F-A	XI	VT-3	100	NRI	2/22/2012	FIG-07-103
Variable Support	1	F1.10						Original and Additional Scope- IR1335559 (N-586-1)
DCA-177-E01-H010	109680	F-A	XI	VT-3	100	NRI	2/22/2012	FIG-07-103
Rigid Restraint	. 1	F1.10					•	•
DCA-185-E01-H001	111230	F-A	XI	VT-3	100	RI	2/28/2012	FIG-07-104
Variable Support	1	F1.10					•	IR 1335559

Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments	٠
111270	F-A	ΧI	VT-3	100	Ri	2/28/2012	FIG-07-104	
1	F1.10						IR 1335559	
111290	F-A	AD	VT-3	100	NRI	3/7/2012	FIG-07-104	
ı 1	F1.10						Additional Scope- IR1335 586-1 eval)	559 (N-
100490	F-A	Xi	VT-3	100	NRI	2/28/2012	FIG-04-101	
1	F1.10							
100510	F-A	XI	VT-3	100	NRI	2/28/2012	FIG-04-101	
1	F1.10							
101370	F-A	AG	VT-3	100	NRI	2/26/2012	FIG-05-101	
1	F1.10					.,		
101380	F-A	AG	VT-3	100	NRI	2/26/2012	FIG-05-101	
1	F1.10		٠.					
102070	F-A	AG	VT-3	100	NRI	3/1/2012	FIG-05-103	
1	F1.10							
102080	F-A	AG	VT-3	100	NBI	3/1/2012	FIG-05-103	•
1						222		
102090	<u> </u>	Xi	VT-3	100	NRI	3/2/2012	FIG-05-103	· · ·
. 1	F1.10	• ••						
102270	F-A	ΧI	VT-3	100	NRI	2/29/2012	FIG-05-103	<u> </u>
1	F1.10							
102310	F-A	ΧI	VT-3	100	NRI	2/29/2012	FIG-05-103	
		74					714 33 133	
		ΧI		100	NRI	3/1/2012	FIG-04-101	t
. 1.		74	***			W 172012	11004101	
115640		YI	VT-3	100	NRI	3/2/2012	FIG-01-101	
		AI .	VI-0	100	14111	ÖLLOIL	110-01-101	·
	·	VI.	V/T-3	100	NDI	3/3/3013	FIG-01-101	
		^1	¥ 13	100	141.51	JEEUIE	1 13-01-101	
		ΥI	VT.3	100	NPI	2/20/2012	FIG.03.101	
		AI .	41.0	100	ITITI	4631EU1E		
		Yı	VT-3	100	ND:	2/20/2012	FIG. 02.104	:
		ΛI	4 1-G	100	1417)	ピ ムシスク 1 C	FIG*W*104	
		YI YI	\/T.a	100	NDI	2/25/2010	EIG 07 101	
		AI .	V 1-3	100	141.71	<u> </u>	FIG-07-101,	*
	· · · · · · · · · · · · · · · · · · ·		\/T 2	100	MDI	2/0/0010	EIO 07 100	
		ΛI	V 1-3	100	MHI	3/2/2012	FIG-07-102	-
		· VI	\ <i>(</i> T 0	100	NIDI	0/00/0040	FIG. 07.400	
111550 1	F-A F1.10	XI	v1-3	100	NHI	2/29/2012	FIG-07-102	
	Class 111270 1 111290 1 1100490 1 100510 1 101370 1 101380 1 102070 1 102080 1 102090 1 102270 1 102310 1 10540 1 115640 1 115650 1 104260 1 109790 1 111420 1 111550	Class Item 111270 F-A 1 F1.10 111290 F-A 1 F1.10 100490 F-A 1 F1.10 100510 F-A 1 F1.10 101370 F-A 1 F1.10 101380 F-A 1 F1.10 102070 F-A 1 F1.10 102080 F-A 1 F1.10 102090 F-A 1 F1.10 102270 F-A 1 F1.10 102310 F-A 1 F1.10 102310 F-A 1 F1.10 104260 F-A 1 F1.10 115640 F-A 1 F1.10 115650 F-A 1 F1.10 104260 F-A 1 F1.10 104260 F-A 1 F1.10 105410 F-A 1 F1.10 105410 F-A 1 F1.10 105790 F-A 1 F1.10 105790 F-A 1 F1.10 115650 F-A 1 F1.10 105790 F-A 1 F1.10 105790 F-A 1 F1.10 11550 F-A	Ciass Item Reason 111270 F-A XI 1 F1.10 111290 F-A AD 1 F1.10 100490 F-A XI 1 F1.10 100510 F-A XI 1 F1.10 101370 F-A AG 1 F1.10 101380 F-A AG 1 F1.10 102070 F-A AG 1 F1.10 102080 F-A XI 1 F1.10 102090 F-A XI 1 F1.10 102270 F-A XI 1 F1.10 102310 F-A XI 1 F1.10 10530 F-A XI 1 F1.10 115640 F-A XI 1 F1.10 115650 F-A XI 1 F1.10 104260 F-A XI 1 F1.10 105410 F-A XI 1 F1.10 109790 F-A XI 1 F1.10 119790 F-A XI 1 F1.10 111420 F-A XI 1 F1.10 111420 F-A XI 1 F1.10 111420 F-A XI 1 F1.10	Class Item Reason Exam 111270 F-A XI VT-3 1 F1.10 F1.10 VT-3 1 F1.10 VT-3 VT-3 1 F1	Class Item Reason Exam Coverage 111270 F-A XI VT-3 100 1 F1.10 FA XI VT-3 100 1 F1.10 FA AD VT-3 100 1 F1.10 FA XI VT-3 100 1 F1.10 FA AG VT-3 100 1 F1.10 FA XI VT-3 100 1 F1.10 FA XI VT-3 100 1 F1.10 FA XI VT-3 100 1 F1.10	Class Item Reason Exam Coverage Results 111270 F-A XI VT-3 100 RI 1 F1.10 FA AD VT-3 100 NRI 111290 F-A AD VT-3 100 NRI 1 F1.10 FA XI VT-3 100 NRI 1 F1.10 FA AG VT-3 100 NRI 1 F1.10 FA XI VT-3 100 NRI 1 F1.10 FA XI	Class Item Reason Exam Coverage Results Code Cases 111270 F-A XI VT-3 100 RI 2/28/2012 1 F1.10 FA AD VT-3 100 NRI 3/7/2012 1 F1.10 FA AD VT-3 100 NRI 2/28/2012 1 F1.10 FA XI VT-3 100 NRI 2/28/2012 1 F1.10 FA AG VT-3 100 NRI 2/28/2012 1 F1.10 FA AG VT-3 100 NRI 2/26/2012 1 F1.10 F1.10 NRI 2/26/2012 1 1 1 1/2012 1 1 1/2012 1 1 1/2012 1 1 1/2012 1 1 1/2012 1 1 1/2012 1 1 1/2012 1 1 1/2012 1 1 1/2012 1	Class Hem Reason Exam Coverage Results Code Cases Exam Comments

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
DBB-103-H004	233330	F-A	ΧI	VT-3	100	NRI	2/27/2012	FIG-05-102
Rigid Restraint	. 2	F1.20						
EBB-101-H007	239220	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-03-105
Rigid Restraint	2	F1.20						
EBB-101-H008	239230	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-03-105
Rigid Restraint	2	F1.20				-		
BB-101-H011	239260	F-A	XI	VT-3	100	NRI	3/6/2012	FIG-03-105
Rigid Restraint	2	F1.20	٠.					
EBB-101-H016	239310	F-A	ΧI	VT-3	100	NRI	3/1/2012	FIG-03-105
Rigid Restraint	2	F1.20						_
EBB-101-H017	239320	F-A	ΧI	VT-3	100	NRI	3/6/2012	FIG-03-105
Rigid Restraint	2	F1.20	• ==					
EBB-106-H006	240600	F-A	XI	VT-3	100	NRI	2/29/2012	FIG-03-106
Mechanical Snubbers (A	2	F1.20	,			. 4. 4		
В В)	_		•					•
EBB-107-H002	240630	F-A	Xi	VT-3	100	NRI	2/28/2012	FIG-03-106
Rigid Restraint	2	F1.20						
BB-129-H027	234240	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-02-104
Rigid Restraint	2	F1.20						•
BB-129-H036	234270	F-A	XI .	VT-3	100	NRI	3/1/2012	FIG-02-104
Nechanical Snubber	2	F1.20			•	•		
EBB-129-H041	234280	F-A	XI .	VT-3	100	NRI	2/29/2012	FIG-02-104
Rigid Restraint	2	F1.20						
EBB-129-H061	234450	F-A	XI	VT-3	100	NRI	2/28/2012	FIG-02-107
Rigid Restraint	2	F1.20	•					, .
EBB-134-H004	234490	F-A	ΧI	VT-3	100	NRI	3/1/2012	FIG-02-108
Rigid Restraint	2	F1.20			•	•	+ + %	
EBB-135-H002	242170	F-A	XI	VT-3	100	NRI	3/3/2012	FIG-06-103
Variable Support	2	F1.20					•	
EBB-135-H025	242380	F-A	XI .	VT-3	100	NRI	2/27/2012	FIG-06-103
Rigid Restraint	2	F1.20						.*
EBB-142-SH-E04	227600	F-A	ΧI	VT-3	100	NRI	2/25/2012	FIG-09-101
Rigid Restraint	2	F1.20						
EBB-142-SH-E19	227740	F-A	XI	VT-3	100	NRI	2/25/2012	FIG-09-101
Rigid Restraint	2	F1.20					•	
GBB-101-H016	248090	F-A	XI	VT-3	100	NRI	3/4/2012	FIG-01-103
Rigid Restraint	2	F1.20	- 	- · · •	. 30	. :		
GBB-102-H008	248160	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-01-103A
Mechanical Snubbers (A & B)	2	F1.20	A	V 1.50	100		wy II An W I fin	- 1 G 01-100A

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Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments	
GBB-102-H009	248170	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-01-103A	
Variable Support	2	F1.20							
3BB-105-H001	248310	F-A	ΧI	VT-3	100	NRI	3/3/2012	FIG-01-102	
Variable Support	2	F1.20				:			•
GBB-107-H028	248650	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-01-102	
Mechanical Snubber	2	F1.20	•	•		•	•		• • • •
3BB-111-H004	258670	F-A	XI	VT-3	100	NRI	2/21/2012	FIG-01-117	
Rigid Restraint	2	F1.20						•	•
GBB-111-H005	258680	F-A	ΧI	VT-3	100	NRI	2/21/2012	FIG-01-117	
Rigid Restraint	2	F1.20			•				
3BB-112-H001	231640	F-A	XI	VT-3	100	NRI	2/20/2012	FIG-04-106	
Rigid Restraint	2	F1.20						IR1330590	
GBB-112-H002	231650	F-A	XI	VT-3	100	NRI	2/20/2012	FIG-04-106	· · · ·
Rigid Restraint	2	F1.20							
3BB-112-H901	231940	F-A	Xi	VT-3	100	NRI	2/20/2012	FIG-04-105	
Anchor	2	F1.20						IR1330591	
3BB-118-H001	248850	F-A	ΧI	VT-3	100	NRI	3/2/2012	FIG-01-103	
Rigid Restraint	2	F1.20			•		<u>;</u> ~	•	
3BB-118-H017	248900	F-A	XI	VT-3	100	NRI	3/2/2012	FIG-01-103	<u></u>
/ariable Support	2	F1.20						:	· .
3BB-119-H016	256870	F-A	XI	VT-3	100	NRI -	2/26/2012	FIG-01-110	
/ariable Support	2	F1.20						,	
GBB-119-H032	257000	F-A	ΧI	VT-3	- 100	NRI	2/24/2012	FIG-01-109	
Variable Support	2	F1.20							
HBB-117-H004	257260	F-A	ΧI	VT-3	100	NRI	2/21/2012	FIG-01-110	,
Variable Support	2	F1.20							
HBB-117-H011	257270	F-A	XI	VT-3	100	NRI	2/21/2012	FIG-01-110	
Mechanical Snubber	2	F1.20							
HBB-117-H018	249340	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-01-103	
Rigid Restraint	2	F1.20							
HBB-117-H019	253240	F-A	, XI	VT-3	100	NRI	2/26/2012	FIG-01-106	
Rigid Restraint	2	F1.20							
HBB-118-H013	258810	F-A	ΧI	VT-3	100	NRI	3/1/2012	FIG-01-113	
Rigid Restraint	2	F1.20						ia e	
HBB-118-H042	258950	F-A	XI	VT-3	100	NRI	3/1/2012	FIG-01-113	
Rigid Restraint	2	F1.20							
HBB-118-H057	258990	F-A	XI	VT-3	100	NRI	2/26/2012	FIG-01-112	
Rigid Restraint	2	F1.20							

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Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
HBB-119-H003	259200	F-A	ΧI	VT-3	100	NRI	2/24/2012	FIG-01-112
Variable Support	2	F1.20						•
HBB-119-H004	259210	F-A	XI	VT-3	100	NRI	3/9/2012	FIG-01-112
Mechanical Snubber	2	F1.20						
HBB-119-H010	259270	F-A	XI	VT-3	100	NRI	2/25/2012	FIG-01-112
Rigid Restraint	2	F1.20				•		
HBB-119-H014	259310	F-A	XI	VT-3	100	NRI	3/3/2012	FIG-01-112
Rigid Restraint	2	F1.20						
HBB-120-H008	232000	F-A	XI	VT-3	100	NRI	2/20/2012	FIG-04-107
Rigid Restraint	2	F1.20			. 30	- 41 11		
HBB-120-H009	232010	F-A	XI	VT-3	100	NRI	2/20/2012	FIG-04-107
Rigid Restraint	232010	F1.20	Al	V5	100	141 [1	42WEV12	i id-or-io/
HBB-120-H011	232030	F-A	Xì	VT-3	100	NRI	2/20/2012	FIG-04-107
Rigid Restraint	232030	F-A F1.20	ΛI	v 1-3	100	INTH	21 EUI EU 1 E	FIG-04-107
	-	F-A	VI	\/T:2	100	RI	2/21/2012	FIG-04-107
HBB-120-H023 Mechanical Snubber	232100 2	F-A F1.20	ΧI	VT-3	100	ni	2/21/2012	FIG-04-107 IR1331128
		· · · · · · · · · · · · · · · · · · ·		\CT 0	100	Nipi	0/00/0040	
GBC-101-H029 Variable Support	373320 3	F-A F1.30	ΧI	VT-3	100	NRI	2/28/2012	GBC-101-13
			<u> </u>					
GBC-101-H044	372880	F-A	XI	VT-3	100	NRI	2/28/2012	GBC-101-5
Variable Support	3	F1.30					·	-
GBC-102-H007	375340	F-A	XI	VT-3	100	NRI	3/2/2012	GBC-102-1
Rigid Restraint	3	F1.30					·—	
GBC-102-H008	375350	F-A	XI	VT-3	100	NRI	3/2/2012	GBC-102-1
Rigid Restraint	3	F1.30			•		•	
GBC-102-H009	375360	F-A	ΧI	VT-3	100	NRI	3/2/2012	GBC-102-1
Mechanical Snubber	3	F1.30						•
GBC-103-H003	375390	F-A	XI	VT-3	100	NRI	3/3/2012	GBC-103-1
Rigid Restraint	3	F1.30						
GBC-103-H004	375400	F-A	ΧI	VT-3	100	NRI	3/3/2012	GBC-103-1
Rigid Restraint	3	F1.30					. •	
GBC-110-H002	376590	F-A	XI	VT-3	100	NRI	2/21/2012	GBC-110-1
Rigid Restraint	3	F1.30						
HBC-081-H019	364930	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-081-2
Variable Support	3	F1.30					1	
HBC-081-H020	364940	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-081-2
Rigid Restraint	3	F1.30						
HBC-084-H015	366940	F-A	XI	VT-3	100	NRI	2/23/2012	HBC-084-1
Rigid Restraint	3	F1.30						

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Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
IBC-091-H106	375810	F-A	ΧI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30						
HBC-091-H107	375820	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30						
HBC-091-H108	375830	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30						•
HBC-091-H109	375840	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30						
HBC-091-H110	375850	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30						v ·
HBC-091-H111	375860	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30	•	• •				· · ·
HBC-091-H112	375870	F-A	Χl	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30					,	
HBC-091-H113	375880	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30						•
HBC-091-H114	375890	F-A	ΧI	VT-3	100	NRI	3/1/2012	HBC-091-16
Rigid Restraint	3	F1.30					. '	* * *
HBC-091-H148	376090	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-19
Rigid Restraint	3	F1.30						
HBC-091-H149	376100	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-19
Rigid Restraint	3	F1.30	,			,		
HBC-091-H159	376200	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-19
Rigid Restraint	3	F1.30						
HBC-091-H160	376210	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-091-19
Rigid Restraint	3	F1.30						
HBC-091-H163	379420	F-A	ΧI	VT-3	100	NRI	3/1/2012	HBC-091-2
Rigid Restraint	3	F1.30						
HBC-138-H007	365280	F-A	ΧI	VT-3	100	NRI	3/3/2012	HBC-138-1
Rigid Restraint	3	F1.30						
HBC-138-H021	365440	F-A	ΧI	VT-3	100	NRI	3/1/2012	HBC-138-3
Rigid Restraint	3	F1.30						
HBC-138-H023	365460	F-A	XI	VT-3	100	NRI	3/1/2012	HBC-138-2
Rigid Restraint	3	F1.30					-	* * . *
HBC-138-H025	365480	F-A	XI	VT-3	100	RI	3/1/2012	HBC-138-1
Rigid Restraint	3	F1.30	-	-	-			IR1335829
HBC-143-H018	367240	F-A	XI	VT-3	100	NRI	2/21/2012	HBC-143-3
Rigid Restraint	3	F1.30				. •• ••	<u>ज्ञानमञ्जूष</u>	

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
HBC-143-H019	367250	F-A	XI	VT-3	100	NRI	2/21/2012	HBC-143-3
Rigid Restraint	3	F1.30						
HBC-143-H020	367260	F-A	ΧI	VT-3	100	NRI	2/21/2012	HBC-143-3
Rigid Restraint	3	F1.30						
HBC-181-H005	376680	F-A	XI	VT-3	100	NRI	2/21/2012	HBC-181-1
Mechanical Snubbers (A & B)	3	F1.30						
HBC-192-H006	365900	F-A	ΧI	VT-3	100	NRI	3/5/2012	HBC-192-1
Rigid Restraint	3	F1.30						
HBC-192-H904	366080	F-A	XI	VT-3	100	NRI	2/22/2012	HBC-192-4
Anchor	3	F1.30						•
HBC-507-H074	378630	F-A	XI	VT-3	100	NRI	2/22/2012	HBC-507-10
Rigid Restraint	3	F1.30						
HBC-507-H075	378640	F-A	XI	VT-3	100	NRI	2/22/2012	HBC-507-10
Rigid Restraint	3	F1.30		•			•	
HBC-507-H076	378650	F-A	Xi	VT-3	100	NRI	2/22/2012	HBC-507-10
Rigid Restraint	3.	F1.30					•	
HBC-507-H077	378660	F-A	XI	VT-3	100	NRI	2/22/2012	HBC-507-10
Rigid Restraint	3	F1.30						
IP-P-A	234620	F-A	XI	VT-3	100	NRI	2/28/2012	XI-10P-204
HPCI Main & Booster Pump Support Assembly	2 .	F1.40		• • • • • • • • • • • • • • • • • • • •				
RHR-HXAR-2-A	252151	F-A	XI	VT-3	100	NRI	3/3/2012	XI-1E-205
leat Exchanger Support	2	F1.40			,			
RHR-HXAR-2-B	252161	F-A	XI	VT-3	100	NRI	3/3/2012	XI-1E-205
leat Exchanger Support	2	F1.40				• • • •	•	
RHR-HXAR-2-C	252171	F-A	XI	VT-3	100	NRI	3/3/2012	XI-1E-205
leat Exchanger Support	2	F1.40						•
RHR-HXAR-2-D	252181	F-A	XI	VT-3	100	NRI	3/3/2012	XI-1E-205
Heat Exchanger Support	2	F1.40						•
RPV STABILIZER (000 DEG)	605390	F-A	XI 	VT-3	100	NRI	2/22/2012	XI-FA-2 PG. 1-3
Stabilizer Assembly & Brackets - Intermediate Mech. Conn.	1	F1.40						
RPV STABILIZER (045 DEG)	605400	F-A	XI	VT-3	100	NRI	2/22/2012	XI-FA-2 PG. 1-3
Stabilizer Assembly & Brackets - Intermediate Mech. Conn.	1	- F1.40			•		* 1:	
RPV STABILIZER (090 DEG)	605410	F-A	ΧI	VT-3	100	NRI	2/22/2012	XI-FA-2 PG. 1-3
Stabilizer Assembly & Brackets - Intermediate Mech. Conn.	1	F1.40						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
RPV STABILIZER (135 DEG)	605420	F-A	ΧI	VT-3	100	NRI	2/22/2012	XI-FA-2 PG. 1-3
Stabilizer Assembly & Brackets - Intermediate Mech. Conn.	. 1	F1.40						
RPV SUPPORT	605465	F-A	Xi	VT-3	100	NRI	2/23/2012	XI-FA-1 PG. 1,3
Support Skirt Assembly	1	F1.40				•		Examined 180 to 360 degrees
SP-Column-1	920500	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 0 Degrees	МС	F1.40						Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-10	920509	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
SP-Column-10 Suppression Pool Column At 270 Degrees		F1.40	IAM	VI-3	100	INI		Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-11	920510	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 300 Degrees	МС	F1.40					·	Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-12	920511	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 330 Degrees	MC	F1.40						Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-2	920501	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 30 Degrees	MC	F1.40		·				Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-3	920502	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 60 Degrees	MC	F1.40					-	Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-4	920503	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 90 Degrees		F1.40			-			Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp: Date Code Cases	Iso Number Exam Comments
SP-Column-5	920504	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 120 Degrees	MC	F1.40					· .	Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-6	920505	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 150 Degrees	MC .	F1.40						Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-7	920506	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 180 Degrees		F1.40	IVA	V 1-3	100	1911	GIOIZUIZ	Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-8	920507	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 210 Degrees	MC	F1.40		÷	·,			Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
SP-Column-9	920508	F-A	NA	VT-3	100	NRI	3/6/2012	C-0300
Suppression Pool Column At 240 Degrees	MC	[™] ∴F1,40	•					Both vapor area and submerged portions inspected. Inspection performed per the Coating Maintenance Plan; no ASME credit is taken for this inspection.
/RR-1RM-H006	111460	F-A	XI	VT-3	100	NRI	2/23/2012	XI-1P-201
Mechanical Snubber - Motor Support	, 1	F1.40						
/RR-1RM-H008	111470	F-A	ΧI	VT-3	100	NRI	2/23/2012	XI-1P-201
Mechanical Snubber - Motor Support	. 1	F1.40						
/RR-1RS-HHA5	109940	F-A	XI	VT-3	100	NRI	2/25/2012	XI-1P-201
Constant Load Support	1	F1.40			•		•	•
/RR-1RS-HHA7	109960	F-A	XI	VT-3	100	RI	2/26/2012	XI-1P-201
Constant Load Support	. 1	F1.40						IR1332450
/RR-1RS-PBRB	111600	F-A	XI	VT-3	100	NRI	3/1/2012	XI-1P-201
Rigid Pump Support	1	F1.40						
10S199-DWC	902060	L-A	XI	GV	100	NRI	3/6/2012	C-0276 SH. 1
Drywell Concrete	cc	L1.11					•	
10S199-RPC	900365	L-A	ΧI	GV	100	NRI	3/6/2012	C-0281 SH. 1
RPV Pedestal – Concrete above Diaphragm Slab	cc	L1.11						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
10S199-SPC	902070	L-A	ΧI	GV	100	NRI	3/6/2012	C-0247 SH. 1
Suppression Pool Concrete	cc	L1.11	•					
3BB-101-01 FW2701	249872	NA	BL	UT-E	100	NRI	3/5/2012	FIG-01-003
18" Pipe to Pipe	2	NA					N-578-1	Baseline- new weld C0223231.
3BB-101-01 FW2702	249874	NA	BL	UT-E	100	NRI	3/5/2012	FIG-01-003
8" Pipe to Pipe	2	NA					N-578-1	Baseline- new weld C0223231
N4A-BORE	601141	NA	AG	UT .	100	NRI	2/29/2012	XI-RPV-1
Feedwater Loop A	4	NA						
N4E-BORE	601261	NA	AG	UT	100	NRI	2/28/2012	XI-RPV-1
Feedwater Loop E	1	NA		.:			,	
N4F-BORE	601291	NA	AG	UT	100	NRI	2/29/2012	XI-RPV-1
Feedwater Loop F	1	NA						
RPV-1IN N8A	602050	NA	AG	UT	100	NRI	2/25/2012	XI-BF-8
Nozzle to Safe End (Jet Pump Instrument - Az. 105 Deg.)	1 .	NA		ı			N-578-1	IGSCC Cat C DM weld Examined using manual phased array.
/RR-1RD-1A N2F	601890	, NA	AG	UT	100	NRI	2/27/2012	FIG-07-001
Safe End to Nozzle (Az.210)	. 1.	NA ·					N-578-1	IGSCC Cat C DM weld Examined using manual phased array.
VRR-1RD-1B N2B	601810	NA	AG	UT	100	NRI	2/27/2012	FIG-07-002
Safe End to Nozzle (Az.60) 1	, NA					N-578-1	IGSCC Cat C DM weld Examined using manual phased array.
VRR-1RS-1A N1A	601750	ŅA	AG	UT	100	NAI	2/25/2012	FIG-07-001
Nozzle to Safe End (Az. 0 Deg.)	1	NA	٠	PT	100	NRI	N-578-1	IGSCC Cat C DM weld Examined using manual phased array. IR1331737
CSA 002	100110	R-A	XI	UT-E	100	NRI	2/26/2012	FIG-04-001
12" Elbow to 12"X10" Reducer	1	R1.11			٠.		N-578-1	
CSA 003	100150	R-A	ΧI	UT-E	100	NRI	2/26/2012	FIG-04-001
12" Elbow to Pipe	1	R1.11					N-578-1	
RHC 005A	117470	R-A	XI	UT-E	100	NRI	3/3/2012	FIG-01-007A
12" Pipe to Pipe, Bimetalli	c 1	R1.11					N-578-1	
RHC 009	117560	R-A	XI	UT-E	100	NRI	3/2/2012	FIG-01-007A
12" Elbow to Pipe	1	R1.11					N-578-1	
RRB 049	111160	R-A	ΧI	UT-E	92.3	NRI	2/28/2012	FIG-07-004
2" Elbow to Pipe	1	.R1.11					N-578-1	
RRB 051	111180	R-A	XI	UT-E	100	NRI	2/28/2012	FIG-07-004
2" Pipe to Pipe	1	R1.11					N-578-1	•

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
RRB 052	111190	R-A	ΧI	UT-E	100	NRI	2/28/2012	FIG-07-004
2" Pipe to Pipe	1	R1.11					N-578-1	
RW 022	113440	R-A	XI	UT-E	100	NRI	2/26/2012	FIG-08-001
24"X4" Sweepolet to 4"	1	R1.11	.,				N-578-1	
Pipe								
SC 050	120080	R-A	ΧI	VT-2	100	NRI	3/13/2012	FIG-11-003
2" Elbow to Pipe	1 '	R1.11					N-578-1	
OCA-318-4 N17D	602310	R-A	ΧI	UT-E	100	NRI	3/3/2012	FIG-01-007A
Safe End to Nozzle (Az. 315 Deg.)	1	R1.11, R1.16					N-578-1	IGSCC Cat C DM weld Examined using manual phased array.
DLA-107-1 N4A1	602780	R-A	ΧI	UT-E	100	NRI	2/26/2012	FIG-05-001
Safe End to Safe End (Az 30 Deg.)	. 1	R1.11, R1.18					N-578-1	• •
DLA-107-1 N4A2	602785	R-A	XI	UT-E	100	NRI	2/26/2012	FIG-05-001
Safe End to Nozzle (Az. 30 Deg.)	1	R1.11, R1.18					N-578-1	
DLA-107-1 S4A	602790	R-A	XI	UT-E	100	NRI	2/26/2012	FIG-05-001
2" Pipe to Safe End (Az. 0 Deg.)	1	R1.11, R1.18		٠,			N-578-1	
DLA-108-1 N4E1	602860	R-A	XI	UT-E	100	NRI	2/26/2012	FIG-05-003
Safe End to Safe End (Az 270 Deg.)	. 1	R1.11, R1.18					N-578-1	
DLA-108-1 N4E2	602865	R-A	ΧI	UT-E	100	NRI	2/26/2012	FIG-05-003
Safe End to Nozzle (Az. 270 Deg.)	1	R1.11, R1.18					N-578-1	
DLA-108-1 N4F1	602880	R-A	ΧI	UT-E	100	NRI	2/28/2012	FIG-05-003
Safe End to Safe End (Az 330 Deg.)	. 1	R1.11, R1.18					N-578-1	
DLA-108-1 N4F2	602885	R-A	ΧI	UT-E	100	NRI	2/28/2012	FIG-05-003
Safe End to Nozzle (Az. 330 Deg.)	1	R1.11, R1.18					N-578-1	
DLA-108-1 S4E	602870	R-A	ΧI	UT-E	100	NRI	2/26/2012	FIG-05-003
12" Pipe to Safe End (Az. 270 Deg.)	1	R1.11, R1.18					N-578-1	
DLA-108-1 S4F	602890	R-A	XI	UT-E	100	NRI	2/28/2012	FIG-05-003
12" Pipe to Safe End (Az. 330 Deg.)	1	R1.11, R1.18					N-578-1	
WA 012	101760	R-A	XI	UT-E	100	NRI	3/1/2012	FIG-05-001
12" Pipe to Elbow	1	R1.11, R1.18					N-578-1	
FWA 033	101990	R-A	ΧI	UT-E	100	NRI	3/1/2012	FIG-05-001
24" Valve 41-1F010A to Flued Head (X-9A)	f	R1.11, R1.18					N-578-1	
FWA 039	233390	R-A	Xi	UT-E	100	NRI	2/27/2012	FIG-05-002
16" Elbow to Elbow	2	R1.11, R1.18					N-578-1	

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
FWA 040	233400	R-A	XI	UT-E	100	NRI	2/27/2012	FIG-05-002
16" Elbow to Pipe	2	R1.11, R1.18					N-578-1	
FWB 032	233560	R-A	ΧI	UT-E	100	NRI	2/22/2012	FIG-05-004
24" Valve HV-41-1F074B to Pipe	2	R1.11, R1.18					N-578-1	
CSA 008A	100350	R-A	XI	UT-E	100	NRI	2/29/2012	FIG-04-001
12" Pipe to Elbow, Bimetallic	1	R1.20					N-578-1	
DCA-101-1 FW 2401	113402	R-A	XI	UT-E	100	NRI	2/28/2012	FIG-08-002
6" Pipe to 6" Pub Piece on Valve HV-44-1F001	1	R1.20					N-578-1	
DCA-101-1 FW 2404	113412	R-A	ΧI	UT-E	100	NRI	2/28/2012	FIG-08-002
6" Pub Piece on Valve HV 44-1F001 to 6" Pipe	- 1	R1.20					N-578-1	
HP 015	103250	R-A	ΧI	UT-E	100	NRI	3/3/2012	FIG-02-001
10" Pipe to Elbow	1	R1.20					N-578-1	
HP 016	103260	R-A	XI	UT-E	100	NRI	3/3/2012	FIG-02-001
10" Elbow to Pipe	1	R1.20					N-578-1	
HP 017	103270	R-A	XI	UT-E	100	NRI	3/3/2012	FIG-02-001
10" Pipe to Valve HV-55- 1F002	1	R1.20					N-578-1	
MSD 020	105370	R-A	XI	UT-E	100	NRI	3/1/2012	FIG-03-004
26" Pipe (FE 1N054) to Elbow	1	R1.20					N-578-1	
MSD 021	105380	R-A	XI	UT-E	100	NRI	3/1/2012	FIG-03-004
26" Elbow to Valve HV-41- 1F022D	. 1	R1.20					N-578-1	
RH 048	245580	R-A	ΧI	UT-E	100	NRI	2/27/2012	FIG-01-013
20" Elbow to Pipe	2	R1.20					N-578-1	
RRA 031	109030	R-A	ΧI	UT-E	100	NRI	2/24/2012	FIG-07-001
12" Pipe to Elbow	1	R1.20					N-578-1	
RRB 028	110640	R-A	XI	UT-E	50	NRI	2/25/2012	FIG-07-002
22" Pipe to 22"X12" Sweepolet	1	R1.20					N-578-1	
RRB 032	110750	R-A	ΧI	UT-E	100	NRI	2/25/2012	FIG-07-002
22" Pipe to Cap	1	R1.20		•			N-578-1	
RW 012	113360	R-A	ΧI	UT-E	100	NRI	2/28/2012	FIG-08-002
6" Pipe to Elbow	1	R1.20					N-578-1	
RW 014	113380	R-A	ΧI	UT-E	100	NRI	2/28/2012	FIG-08-002
6" Pipe to Elbow	1	R1.20					N-578-1	
RW 018	113420	R-A	XI	UT-E	100	NRI	2/28/2012	FIG-08-002
6" Pipe to Flued Head (X-14)	1	R1.20					N-578-1	

Component ID Description	Summary # Class	Category	Exam Reason	Actual Exam	Code Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments	
SC 048	120060	R-A	ΧI	VT-2	100	NRI	3/13/2012	FIG-11-003	
2" Elbow to Pipe	1	R1.20					N-578-1	•	٠.

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments	
Li1/45-03b N17A	127589	NA	RE	EVT-1	75	NRI	2/28/2012	XI-BN-14	
LPCI Coupling Shroud Attachment Ring to Shroud Weld (045 Az)	BWRVIP-42	N/A						. •	
Li1/45-03b N17B	127592	N/A	RE	EVT-1	50	NRI	2/26/2012	XI-BN-14	. •
LPCI Coupling Shroud Attachment Ring to Shroud Weld (135 Az)	BWRVIP-42	N/A							, ,
Li1/45-06a N17A	127601	N/A	RE	VT-3	100	NRI	2/28/2012	XI-BN-14	
LPCI Coupling Clamp / Bolt RPV (045 Az)	BWRVIP-42	N/A							
Li1/45-06a N17B	127508	N/A	RE	VT-3	100	NRI	2/26/2012	XI-BN-14	
LPCI Coupling Clamp / Bolt RPV (135 Az)	BWRVIP-42	N/A							
Li1/45-06b N17A	127532	N/A	RE	VT-3	100	NRI	2/28/2012	XI-BN-14	. •
LPCI Coupling Clamp / Bolt Shroud (045 Az)	BWRVIP-42	N/A					·		
Li1/45-06b N17B	127511	N/A	RE	VT-3	100	NRI	2/26/2012	XI-BN-14	
LPCI Coupling Clamp / Bolt Shroud (135 Az)	BWRVIP-42	N/A					and the second s		
Li1/45-06c N17A	127583	N/A	RE	VT-3	100	NRI	2/28/2012	XI-BN-14	,
LPCI Coupling Clamp / Bott RPV (045 Az)	BWRVIP-42	N/A					• •	•	· · · · · ·
Li1/45-06c N17B	127514	,N/A	RE	VT-3	100 :	NRI	2/26/2012	XI-BN-14	
LPCI Coupling Clamp / Bolt RPV (135 Az)	BWRVIP-42	N/A							
Li1/45-06d N17A	127577	N/A	RE	VT-3	100	NRI	2/28/2012	XI-BN-14	
LPCI Coupling Clamp / Bolt Shroud (045 Az)	BWRVIP-42	N/A							•
Li1/45-06d N17B	127517	N/A	RE	VT-3	100	NRI	2/26/2012	XI-BN-14	
LPCI Coupling Clamp / Bolt Shroud (135 Az)	BWRVIP-42	N/A			1		·.		
Li1/45-08a N17A	127523	N/A	RE	VT-1	100	NRI	2/28/2012	XI-BN-14	
LPCI Coupling Eye Bolt Nut to Clamp Weld (045 Az)	BWRVIP-42	N/A							
Li1/45-08a N17B	127505	N/A	RE	VT-1	100	NRI	2/26/2012	XI-BN-14	· · · · · · · · · · · · · · · · · · ·
LPCI Coupling Eye Bolt Nut to Clamp Weld (135 Az)	BWRVIP-42	N/A						* .	
Li1/45-08b N17A	127520	N/A	RE	VT-1	100	NRI	2/28/2012	XI-BN-14	
LPCI Coupling Eye Bolt Nut to Clamp Weld (045 Az)	BWRVIP-42	N/A							·

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments	
Li1/45-08b N17B	127535	N/A	RE	VT-1	100	NRI	2/26/2012	XI-BN-14	
PCI Coupling Eye Bolt Nut o Clamp Weld (135 Az)	BWRVIP-42	N/A					•		
i1/45-08c N17A	127529	N/A	RE	VT-1	100	NRI	2/28/2012	XI-BN-14	
PCI Coupling Eye Bolt Nut o Clamp Weld (045 Az)	BWRVIP-42	N/A							
J1/45-08c N17B	127538	N/A	RE	VT-1	100	NRI	2/26/2012	XI-BN-14	
PCI Coupling Eye Bolt Nut Clamp Weld (135 Az)	BWRVIP-42	N/A							
j1/45-08d N17A	127553	N/A	RE	VT-1	100	NRI	2/28/2012	XI-BN-14	
.PCI Coupling Eye Bolt Nut o Clamp Weld (045 Az)	BWRVIP-42	N/A	٠						
J1/45-08d N17B	127541	N/A	RE	VT-1	100	NRI	2/26/2012	XI-BN-14	
PCI Coupling Eye Bolt Nut o Clamp Weld (135 Az)	BWRVIP-42	N/A							
i1/45-12 N17A	127256	N/A	RE	EVT-1	30	NRI	2/28/2012	XI-BN-14	
PCI Coupling Sleeve lange to Thermal Sleeve Veld at RPV (045 Az)	BWRVIP-42	· N/A						·	
i1/45-12 N17B	127259	N/A	RE	EVT-1	20	NRI	2/26/2012	XI-BN-14	
PCI Coupling Sleeve Pange to Thermal Sleeve Veld at RPV (135 Az)	BWRVIP-42	N/A						· ·	
i1/AHC 000 Deg	603145	B-N-2	BL	EVT-1	90	NRI	2/26/2012	XI-BN-04	
Access Hole Cover Plate and Weld to Shroud Support Plate	BWRVIP-180	B13.40							
i1/AHC 180 Deg	603155	B-N-2	BL	EVT-1	50	NRi	2/26/2012	XI-BN-04	
Access Hole Cover Plate and Weld to Shroud Support Plate	BWRVIP-180	B13.40				·		All 3 welds examinand C3)	ed (C1, C2,
i1/CSB 195 Az	604450	B-N-2	RE	EVT-1	65	NRI	2/24/2012	XI-BNN	
Core Spray "A and C" Header Bracket (PB5) Attachment Weld to RPV	BWRVIP-48	B13.30							
i1/CSB 247.5 Az	604490	B-N-2	RE	EVT-1	65	NRI	2/24/2012	XI-BNN	·
Core Spray "A and C" leader Radial Bracket PB6) Attachment Weld to RPV	BWRVIP-48	B13.30							• ,
11/FWSB 005 Az - PIN-NUT	· :		SP	VT-3/ VT-1	100	RI	3/2/2012	-	
N4A Feedwater Sparger Bracket Pin and Nut	OPEX Exam							IR1336083 - Evalua as acceptable	ated condition

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
LI1/FWSB 055 Az - PIN-NUT			SP	VT-3/ VT-1	100	NRI	2/26/2012	
N4A Feedwater Sparger Bracket Pin and Nut	OPEX Exam							and the second s
J1/FWSB 065 Az - PIN-NUT			SP	VT-3/ VT-1	100	NRI	3/2/2012	
N4B Feedwater Sparger Bracket Pin and Nut	OPEX Exam						u	
L1/FWSB 115 Az	604600	B-N-2	RE	EVT-1	60	NRI	2/27/2012	XI-BNN
N4B Feedwater Sparger Bracket Attachment Weld to RPV	BWRVIP-48	B13.30						
i1/FWSB 115 Az - PIN-NUT	•		SP	VT-3/ VT-1	100	RI	2/27/2012	
N4B Feedwater Sparger Bracket Pin and Nut	OPEX Exam						٠.	IR1336083 - Evaluated condition as acceptable
i1/FWSB 125 Az	604630	B-N-2	RE	EVT-1	60	NRI	2/27/2012	XI-BNN
I4C Feedwater Sparger tracket Attachment Weld to IPV	BWRVIP-48	B13.30						
11/FWSB 125 Az - PIN-NUT			SP	VT-3/ VT-1	100	NRI	2/27/2012	
N4C Feedwater Sparger Bracket Pin and Nut	OPEX Exam							
i1/FWSB 175 Az	604640	B-N-2	RE	EVT-1	60	NRI	3/1/2012	XI-BNN
N4C Feedwater Sparger Bracket Attachment Weld to RPV	BWRVIP-48	B13.30						
i1/FWSB 175 Az - PIN-NUT			SP	VT-3/ VT-1	100	RI	3/1/2012	
N4C Feedwater Sparger Bracket Pin and Nut	OPEX Exam							IR1336083 - Evaluated condition as acceptable
i1/FWSB 185 Az	604670	B-N-2	RE	EVT-1	60	NRI	2/24/2012	XI-BNN
N4D Feedwater Sparger Bracket Attachment Weld to RPV	BWRVIP-48	B13.30					·	
i1/FWSB 185 Az - PIN-NUT	ř .		SP	VT-3/ VT-1	100	RI	2/24/2012	
N4D Feedwater Sparger Bracket Pin and Nut	OPEX Exam	<u></u>					<u>.</u>	IR1336083 - Evaluated condition as acceptable
J1/FWSB 235 Az	604680	B-N-2	RE	EVT-1	60	NRI	2/24/2012	XI-BNN
N4D Feedwater Sparger Bracket Attachment Weld to RPV	BWRVIP-48	B13.30	4				: '	

Component ID	Summary #	Category	Exam	Actual	Percent	Exam	insp. Date	Iso Number
Description	Class	ltem	Reason	Exam	Coverage	Results	Code Cases	Exam Comments
.i1/FWSB 235 Az - PIN-NUT	,		SP	VT-3/ VT-1	100	RI	2/24/2012	
N4D Feedwater Sparger Bracket Pin and Nut	OPEX Exam							IR1336083 - Evaluated condition as acceptable
L1/FWSB 245 Az - PIN-NUT	•		SP	VT-3/ VT-1	100	Ri	2/24/2012	
N4E Feedwater Sparger Bracket Pin and Nut	OPEX Exam							IR1336083 - Evaluated condition as acceptable
J1/FWSB 295 Az - PIN-NUT		*	SP	VT-3/ VT-1	100	Ri	2/24/2012	
N4E Feedwater Sparger Bracket Pin and Nut	OPEX Exam							IR1336083 - Evaluated condition as acceptable
i1/FWSB 305 Az - PIN-NUT	•		SP	VT-3/ VT-1	100	RI	2/24/2012	
N4F Feedwater Sparger Bracket Pin and Nut	OPEX Exam							IR1336083 - Evaluated condition as acceptable
LI1/FWSB 355 Az - PIN-NUT			SP	VT-3/ VT-1	100	RI	2/25/2012	,
N4F Feedwater Sparger Bracket Pin and Nut	OPEX Exam							IR1336083 - Evaluated condition as acceptable
	603131	B-N-2	RE	UT	47.7	RI	3/2/2012	XI-BN-10
Core Shroud Plate to Dryer Separator Support Ring Weld	BWRVIP-76 / B-N-2	B13.40			·			ECR LG 12-00109 evaluated as acceptable
Li1/H04	603134	B-N-2	RE	UT	96.2	RI	3/3/2012	XI-BN-10
Core Shroud Plate to Core Shroud Plate Weld	BWRVIP-76 / B-N-2	B13.40					we e	ECR LG 12-00109 evaluated as acceptable
Li1/JP01 AD-1	126221	N/A	BL	UT	100	NRI	2/26/2012	XI-BN-04
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						
Li1/JP01 AD-2	126104	N/A	BL	UT	100	NRI	2/26/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A						• .
Li1/JP01 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/24/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A		•				· .
Li1/JP01 AS-1 (VS)	·.	N/A	RE	VT-1	100	RI	2/24/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.011" was evaluated as acceptable.
Li1/JP01 AS-2 (SS)		N/A	RE	VT-1	100	RI	2/24/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A				- ,•		IR1335582 - Evaluated as acceptable

Component ID Description	Summary # (Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP01 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/24/2012	XJ-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP01 BB-3		N/A	SP	VT-3/ VT-1	100	NRI	2/26/2012	XI-BN-04
let Pump Hold Down Beam Fransition Region	BWRVIP-41	N/A		÷				Previous indication looks like a small scratch or gouge. Exam meets NRI requirements.
Li1/JP01 DF-1	126194	N/A	BL.	UT	50	NRI	2/26/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP01 DF-2	126095	N/A	BL	UT	100	NRI	2/26/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						
Li1/JP01 IN-4	125330	N/A	RE	EVT-1	50	NRI	2/27/2012	XI-BN-04
Jet Pump Inlet to Mixer Wek	BWRVIP-41	N/A		_				
Li1/JP01 MX-2	125210	N/A	BL	UT	50	NRI	2/26/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP01 WD-1	126134	N/A	SP	VT-1	100	NRI	2/23/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						
Li1/JP01-02 RB-1a	125516	N/A	RE	EVT-1	60	NRI	2/28/2012	XI-BN-04
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A						
Li1/JP01-02 RB-1b	125366	· N/A	RE	EVT-1	70	NRI	2/27/2012	XI-BN-04
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A					ø	
Li1/JP01-02 RB-1c	125396	N/A	RE	EVT-1	50	NRI	3/3/2012	XI-BN-04
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A						·
Li1/JP01-02 RB-1d	125426	N/A	RE	EVT-1	70	NRI	2/27/2012	XI-BN-04
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A						
Li1/JP01-02 RB-2a	125636	N/A	RE	EVT-1	50	NRI	2/28/2012	XI-BN-04
Jet Pump Riser Brace Leaf to Yoke Weld	BWRVIP-41	N/A						
Li1/JP01-02 RB-2b	125666	N/A	RE	EVT-1	50	NRI	2/27/2012	XI-BN-04
Jet Pump Riser Brace Leaf to Yoke Weld	BWRVIP-41	N/A					•	
								

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
J1/JP01-02 RB-2c	125696	N/A	RE	EVT-1	50	NRI	2/28/2012	XI-BN-04
et Pump Riser Brace Leaf o Yoke Weld	BWRVIP-41	N/A						
i1/JP01-02 RB-2d	125546	, N/A	RE	EVT-1	50	NRI	2/27/2012	XI-BN-04
et Pump Riser Brace Leaf o Yoke Weld	BWRVIP-41	N/A						
i1/JP01-02 RS-3	125039	N/A	RE	EVT-1	40	NRI	2/26/2012	XI-BN-04
et Pump Riser Pipe to ransition Piece Weld	BWRVIP-41	~ · N/A	٠					
j1/JP01-02 RS-6	125030	N/A	RE	EVT-1	40	NRI	3/3/2012	XI-BN-04
P Riser Pipe to Restrainer Bracket Circumferential Veld; RS-6 is on JP01 side	BWRVIP-41	· N/A						en e
of riser					 			
.i1/JP01-02 RS-7	125060	N/A	RE	EVT-1	40	NRI	2/28/2012	XI-BN-04
IP Riser Pipe to Restrainer Bracket Circumferential Weld; RS-7 is on JP02 side of riser	BWRVIP-41	N/A					•	
i1/JP02 AD-1	126224	N/A	BL	UT	50	NRI	2/26/2012	XI-BN-04
et Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A			٠			Lower side exam only due to rough surface conditions.
i1/JP02 AD-2	125795	N/A	BL	UT	100	NRI	2/26/2012	XI-BN-04
let Pump Adapter Bottom Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A			-:			
Li1/JP02 AS-1 (SS)	, .	N/A	RE	VT-1	100	NRI	2/24/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A						48 - 19 W
Li1/JP02 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/24/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A					•	
Li1/JP02 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/24/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						* : *
i1/JP02 DF-1	126197	N/A	BL	UT	50	NRI	2/26/2012	XI-BN-04
let Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP02 IN-4	125333	N/A	RE	EVT-1	40	NRI	3/3/2012	XI-BN-04
let Pump Inlet to Mixer Wek	BWRVIP-41	N/A						* * * * * * * * * * * * * * * * * * * *
Li1/JP02 MX-2	125213	· N/A	BL	UT	50	NRI	2/26/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A						One sided exam due to far side cast material

Component ID Description	Summary # (Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments	
Li1/JP02 WD-1	126137	N/A	SP	VT-1	100	RI	2/24/2012	XI-BN-04	
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						IR1335602 - Evaluate acceptable	d as
Li1/JP03 AS-1 (SS)		N/A	RE	VT-1	100	NŖI	2/25/2012	XI-BN-04	
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A							
Li1/JP03 AS-1 (VS)		N/A	RE	VT-1	100	Ri	2/25/2012	XI-BN-04	
Vessel Side Adjusting , Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of evaluated as accepta	0.003" was ble.
Li1/JP03 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						٠.	
Li1/JP03 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A							٠.
Li1/JP03 WD-1	126140	N/A	SP	VT-1	100	NRI	2/23/2012	XI-BN-04	
Jet Pump Wedge Bearing . Surface	BWRVIP-41	N/A					٠.,		•
Li1/JP03-04 RS-3	125129	N/A	RE	EVT-1	40	NRI	2/25/2012	XI-BN-04	
Jet Pump Riser Pipe to Transition Piece Weld	BWRVIP-41	N/A							. *
Li1/JP04 AD-1	126230	N/A	BL	UT	100	NRI	2/28/2012	XI-BN-04	
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A							
Li1/JP04 AD-2	125807	N/A	BL	υT	100	NRI	2/28/2012	XI-BN-04	
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	···· N/A	•					·	
Li1/JP04 AS-1 (SS)		Ņ/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A							
Li1/JP04 AS-1 (VS)		. N/A	RE	VT-1	100	RI	2/25/2012	XI-BN-04	·····
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap o evaluated as accepta	
Li1/JP04 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A							· · · ·
Li1/JP04 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A							

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Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP04 DF-1	126089	N/A	BL	UT	50	NRI	2/28/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A	_					One sided exam due to far side cast material
Li1/JP04 DF-2	126203	N/A	BL	UT	100	NRI	2/28/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						
Li1/JP04 MX-2	125267	N/A	BL	UT	50	NRI	2/28/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP04 WD-1	126143	N/A	SP	VT-1	100	NRI	2/24/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A					•	
Li1/JP04 WD-2a		N/A	SP	VT-1	100	RI	2/24/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Top	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
Li1/JP04 WD-2b		N/A	SP	VT-1	100	RI	2/25/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Bottom	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
Li1/JP05 AD-1	126233	N/A	BL	UT	100	NRI	2/28/2012	XI-BN-04
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						
Li1/JP05 AD-2	125810	N/A	BL	UT	100	NRI	2/28/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A						
Li1/JP05 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A						•
Li1/JP05 AS-1 (VS)	····	N/A	RE	VT-1	100	RI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.012" was evaluated as acceptable.
Li1/JP05 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						•
Li1/JP05 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP05 DF-1	126170	N/A	BL	UT	50	NRI	2/28/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP05 DF-2	126107	N/A	BL	UT	50	NRI	2/28/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A		•				Lower side exam only due to seam weld interference
Li1/JP05 MX-2	125222	N/A	BL	UT	50	NRI	2/28/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A					٠	One sided exam due to far side cast material
Li1/JP05 WD-1	126146	N/A	SP	VT-1	100	NRI	2/25/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						
Li1/JP05-06 RS-3	125006	N/A	RE	EVT-1	40	NRI	2/25/2012	XI-BN-04
Jet Pump Riser Pipe to Transition Piece Weld	BWRVIP-41	N/A					٠.	
Li1/JP06 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A					,	
Li1/JP06 AS-1 (VS)		N/A	RE	VT-1	100	RI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.005" was evaluated as acceptable.
Li1/JP06 AS-2 (SS)		. N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP06 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP06 WD-1	126149	N/A	SP	VT-1	100	NRI	2/25/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A					٠.	
Li1/JP07 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/24/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A						
Li1/JP07 AS-1 (VS)	:	N/A	RE	VT-1	100	RI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.017" was repaired with an Auxiliary Wedge.
Li1/JP07 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP07 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP07 WD-1	126152	N/A	SP	VT-1	95	NRI	2/24/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						

Section 1: Limerick 1R14 IVVI Component Examination Results

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP08 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	NA						
Li1/JP08 AS-1 (VS)	·	N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						
Li1/JP08 AS-2 (SS)		N/A	RE	VT-1	100	RI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						IR1335582 - Evaluated as acceptable
Li1/JP08 AS-2 (VS)	٠.	N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A					•	
Li1/JP08 WD-1	126155	N/A	SP	VT-1	100	NRI	2/24/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A					,	
Li1/JP08 WD-2a		N/A	SP	VT-1	100	NRI	2/24/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Top	BWRVIP-41	N/A						·
Li1/JP08 WD-2b		N/A	SP	VT-1	100	RI	2/24/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Bottom	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
i1/JP09 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/24/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A						
Li1/JP09 AS-1 (VS)		N/A	RE	VT-1	100	RI	2/24/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.003" was evaluated as acceptable.
Li1/JP09 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						·
Li1/JP09 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP09 MX-7		N/A	ES	EVT-1	50	NRI	2/28/2012	XI-BN-04
Jet Pump Wedge Bracket to Inlet Mixer Welds	BWRVIP-41	N/A						
Li1/JP09 WD-1	126158	N/A	SP	VT-1	100	RI	2/24/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
Li1/JP09 WD-2a		N/A	ES	VT-1	100	NRI	2/27/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Top	BWRVIP-41	N/A	-		-		_	

Component ID .	Summary #		Exam	Actual.	Percent	Exam	Insp. Date	Iso Number	
Description	Class	Item	Reason	Exam	Coverage	Results	Code Cases	Exam Comments	
i1/JP09 WD-2b		N/A	ES	VT-1	100	NRI	2/27/2012	XI-BN-04	
et Pump Wedge Adjusting	BWRVIP-41	N/A							
Rod Tack Weld - Bottom.									· .
.i1/JP09-10 RB-1a	125528	N/A	ES	EVT-1	70	NRI	2/27/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A							
Li1/JP09-10 RB-1b	125378	N/A	ES	EVT-1	70	NRI	2/27/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A							
L1/JP09-10 RB-1c	125408	N/A	ES	EVT-1	65	NRI	2/27/2012	XI-BN-04	·, · · · · · · · · · · · · · · · · ·
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A					. •		· · · · · · · · · · · · · · · · · · ·
Li1/JP09-10 RB-1d	125438	N/A	ES	EVT-1	70	NRI	2/27/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A							
Li1/JP09-10 RS-3	125012	N/A	RE	EVT-1	40	NRI	2/25/2012	XI-BN-04	
Jet Pump Riser Pipe to Transition Piece Weld	BWRVIP-41	N/A							·
Li1/JP09-10 RS-6	125042	N/A	ES	EVT-1	40	NRI	2/28/2012	XI-BN-04	
JP Riser Pipe to Restrainer Bracket Circumferential Weld; RS-6 is on JP09 side of riser	BWRVIP-41.	N/A		٠.					
	105000	N/A				NDI	0/07/0040	VI DN 04	
LI1/JP09-10 RS-8	125282 BWRVIP-41	N/A N/A	ES	EVT-1	45	NRI	· 2/27/2012	XI-BN-04	
Jet Pump Riser Pipe to Riser Brace Circumferential Weld		IVA	· .						e e e e e e e e e e e e e e e e e e e
Li1/JP09-10 RS-9	125312	N/A	ES	EVT-1	45	NRI	2/27/2012	XI-BN-04	
Jet Pump Riser Pipe to Riser Brace Circumferential Weld	BWRVIP-41	N/A							•
Li1/JP10 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A							
Li1/JP10 AS-1 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A							
Li1/JP10 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						es, e	•
Li1/JP10 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/25/2012	XI-BN-04	
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						2 2.7	

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP10 DF-1	126062	N/A	BL	υT	50	NRI	2/27/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP10 DF-2	126122	N/A	BL	UT	50	NRI	2/27/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						Lower side exam only due to seam weld interference
Li1/JP10 MX-2	125237	N/A	BL	UT	50	NRI	2/27/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP10 WD-1	126161	· N/A	SP	VT-1	100	NRI	2/24/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						
Li1/JP11 AD-1	126251	N/A	BL	UT	100	NRI	3/2/2012	XI-BN-04
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						
Li1/JP11 AD-2	125822	N/A	BL	UT	89	NRI	3/2/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A			٠			Upper side exam limited due to rough surface condition
Li1/JP11 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A						
Li1/JP11 AS-1 (VS)		N/A	RE	VT-1	100	RI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.010" was evaluated as acceptable.
Li1/JP11 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP11 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						·
Li1/JP11 DF-1	126065	N/A	BL	UT	50	NRI	3/1/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP11 DF-2	126083	N/A	BL	UT	100	NRI	3/2/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						
L1/JP11 IN-4	125219	N/A	RE	EVT-1	40	NRI	3/2/2012	XI-BN-04
Jet Pump Inlet to Mixer Wel		: N/A						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comm	ents
Li1/JP11 MX-2	125240	NA	BL	UT	50	NRI	3/1/2012	XI-BN-04	
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A	·					One sided ex	cam due to far side
Li1/JP11 SJC		N/A	SP	VT-1	100	Ri	2/29/2012	XI-BN-04	
Jet Pump Slip Joint Clamp	BWRVIP-41	N/A						IR1336082 - acceptable	Evaluated as
Li1/JP11 WD-1	126206	N/A	SP	VT-1	100	NRI	2/29/2012	XI-BN-04	
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A							
Li1/JP11-12 RB-1a	125531	N/A	RE	EVT-1	50	NRI	3/2/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A					· · · · · · · · · · · · · · · · · · ·	•	
Li1/JP11-12 RB-1b	125381	N/A	RE	EVT-1	60	NRI	3/2/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A							
Li1/JP11-12 RB-1c	125411	N/A	RE	EVT-1	50	NRI	3/2/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A			• .				: + .
∐1/JP11-12 RB-1d	125441	N/A	RE	EVT-1	40	NRI	3/2/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to RPV Pad Weld	BWRVIP-41	N/A	*•		•	:			
Li1/JP11-12 RB-2a	125651	N/A	RE	EVT-1	50	NRI	3/1/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to Yoke Weld	BWRVIP-41	N/A							
Li1/JP11-12 RB-2b	125681	N/A	RE	EVT-1	50	NRI	3/2/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to Yoke Weld	BWRVIP-41	N/A					٠,		
Li1/JP11-12 RB-2c	125711	NA	RE	EVT-1	50	NRI	3/1/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to Yoke Weld	BWRVIP-41	N/A							
Li1/JP11-12 RB-2d	125561	N/A	RE	EVT-1	40	NRI	3/2/2012	XI-BN-04	
Jet Pump Riser Brace Leaf to Yoke Weld	BWRVIP-41	N/A							
Li1/JP11-12 RS-1	125141	N/A	RE	EVT-1	85	NRI	3/2/2012	XI-BN-04	
Jet Pump Riser Elbow to Thermal Sleeve Weld	BWRVIP-41	N/A							
Li1/JP11-12 RS-2	125165	N/A	RE	EVT-1	50	NRI	3/2/2012	XI-BN-04	A STATE
Jet Pump Riser Elbow to Riser Pipe Weld	BWRVIP-41	N/A	·						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage		Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP11-12 RS-6	125000	N/A	RE	EVT-1	30	NRI	3/2/2012	XI-BN-04
IP Riser Pipe to Restrainer Bracket Circumferential Weld; RS-6 is on JP11 side of riser	BWRVIP-41	N/A		•				
Li1/JP11-12 RS-7	125075	N/A	RE	EVT-1	30	NRI	3/2/2012	XI-BN-04
JP Riser Pipe to Restrainer Bracket Circumferential Weld; RS-7 is on JP12 side of riser	BWRVIP-41	N/A						
Li1/JP11-12 RS-8	125285	N/A	RE	EVT-1	45	NRI	3/1/2012	XI-BN-04
Jet Pump Riser Pipe to Riser Brace Circumferential Weld	BWRVIP-41	N/A					<u> </u>	
Li1/JP11-12 RS-9	125270	N/A	RE	EVT-1	45	NRI	3/1/2012	XI-BN-04
Jet Pump Riser Pipe to Riser Brace Circumferential Weld	BWRVIP-41	N/A						
Li1/JP12 AD-1	126254	N/A	BL	UT	100	NRI	3/1/2012	XI-BN-04.
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A					. •	,
Li1/JP12 AD-2	125825	N/A	BL	UT	100	NRI	3/1/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A	:	es.			<i>,</i>	
LI1/JP12 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	. N/A						and the second of the second o
Li1/JP12 AS-1 (VS)		N/A	RÉ	VT-1	100	NRI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						
L1/JP12 AS-2 (SS)		N/A	RE	VT-1	100	RI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						IR1335582 - Evaluated as acceptable
Li1/JP12 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
L1/JP12 DF-1	126068	N/A	BL	UT	50	NRI	3/1/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
⊔1/JP12 DF-2	126239	N/A	BL	UT	100	NRI	3/1/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						

Component ID	Summary #	Category	Exam	Actual	Percent	Exam	Insp. Date	Iso Number
Description	Class	Item	Reason	Exam	Coverage	Results	Code Cases	Exam Comments
i1/JP12 IN-4	125309	N/A	RE	EVT-1	40	NRI	3/2/2012	XI-BN-04
et Pump Inlet to Mixer Weld	BWRVIP-41	N/A						
i1/JP12 MX-2	125243	N/A	BL	UT	50	NRI	3/1/2012	XI-BN-04
et Pump Barrel to Adapter Veld	BWRVIP-41	N/A				٠		One sided exam due to far side cast material
.i1/JP12 WD-1	126167	N/A	SP	VT-1	100	NRI	2/29/2012	XI-BN-04
et Pump Wedge Bearing surface	BWRVIP-41	ŅA						
i1/JP13 AD-1	126257	N/A	BL	UT	100	NRI	3/2/2012	XI-BN-04
et Pump Adapter Top to dapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A	·					en e
J1/JP13 AD-2	125828	N/A	BL	UT	100	NRI	3/2/2012	XI-BN-04
let Pump Adapter Bottom Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A		12		21	·	· .
J1/JP13 AS-2 (SS)		. N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
hroud Side Adjusting crew Tack Welds	BWRVIP-41	N/A					•	
i1/JP13 AS-2 (VS)	s 17	N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
essel Side Adjusting Crew Tack Welds	BWRVIP-41	N/A						A Company
i1/JP13 DF-1	126071	N/A	BĻ	UΤ	50	NRI	3/2/2012	XI-BN-04
et Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
	126287	N/A	BL	UT	100	NRI	3/2/2012	XI-BN-04
let Pump Diffuser Shell to allpipe Weld	BWRVIP-41	N/A					÷.	
J1/JP13 MX-2	125246	N/A	BL	UT	50	NRI	3/2/2012	XI-BN-04
let Pump Barrel to Adapter Veld	BWRVIP-41	N/A	•		-			One sided exam due to far side cast material
i1/JP13 WD-1	126128	N/A	SP	VT-1	100	NRI	2/29/2012	XI-BN-04
et Pump Wedge Bearing Surface	BWRVIP-41	N/A						
i1/JP13-14 RS-9	125318	N/A	SP	EVT-1	45	RI	3/2/2012	XI-BN-04
let Pump Riser Pipe to Riser Brace Circumferential Veld	BWRVIP-41	N/A						IR1336977 - Evaluated as acceptable
 	126260	N/A	BL	UT	100	NRI	3/1/2012	XI-BN-04
let Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP14 AD-2	125831	N/A	BL	UT	100	NRI	3/1/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A						
Li1/JP14 AS-2 (SS)		N/A	RE	VT-1	100	RI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						IR1335582 - Evaluated as acceptable
Li1/JP14 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
/essel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
J1/JP14 DF-1	126074	N/A	BL	UT	50	NRI	3/1/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP14 DF-2	126290	N/A	BL	UT	100	NRI	3/1/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						
Li1/JP14 MX-2	125249	N/A	BL	ŲΤ	50	NRI	3/1/2012	XI-BN-04
let Pump Barrel to Adapter Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
	126173	N/A	SP	VT-1	100	NRI	2/29/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A					j.	
Li1/JP15 AD-1	126263	N/A	BL	UŤ	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						
Li1/JP15 AD-2	125834	NA	BL	UΤ	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A					:	
Li1/JP15 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A						
Li1/JP15 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						-
Li1/JP15 AS-2 (VS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
L1/JP15 DF-1	126077	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A					·	One sided exam due to far side cast material

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	insp. Date Code Cases	Iso Number Exam Comments
Li1/JP15 DF-2	126293	N/A	BL :	UT	100	NRI	2/29/2012	XI-BN-04
let Pump Diffuser Shell to Failpipe Weld	BWRVIP-41	N/A						
i1/JP15 MX-2	125252	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
let Pump Barrel to Adapter Veld	BWRVIP-41	N/A						One sided exam due to far side cast material
.i1/JP15 WD-1	126176	N/A	SP	VT-1	95	NRI	2/29/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						•
	126266	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
let Pump Adapter Top to Adapter Bottom Weld - 3imetallic Weld	BWRVIP-41	N/A						
 Li1/JP16 AD-2	125882	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	-BWRVIP-41	·· N/A	5 L	X	100	1411	223/2012	
	 	N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	NA						
Li1/JP16 AS-1 (VS)		N/A	RĘ	VT-1	100	NRI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A		·				
Li1/JP16 AS-2 (SS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A		·				
Li1/JP16 AS-2 (VS)		NA	RE	VT-1	100	NRI	. 2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP16 DF-1	126080	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP16 DF-2	126299	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						
Li1/JP16 MX-2	125255	, N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
Li1/JP16 WD-1	126179	N/A	SP	VT-1	100	NRI	2/29/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						

Component ID Description	Summary # Class	Category	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP17 AD-1	126269	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						
Li1/JP17 AD-2	125840	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A						
Li1/JP17 AS-1 (SS)		N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Gap	BWRVIP-41	N/A						
Li1/JP17 AS-1 (VS)		N/A	RE	VT-1	100	RI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.009" was evaluated as acceptable.
Li1/JP17 AS-2 (SS)		N/A	RE	VT-1	100	RI	2/29/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						IR1335582 - Evaluated as acceptable
Li1/JP17 AS-2 (VS)	Å+	N/A	RE	VT-1	100	NRI	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						
Li1/JP17 DF-1	126125	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
Jet Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A					· .	One sided exam due to far side cast material
Li1/JP17 DF-2	126284	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A						
Li1/JP17 MX-2	125258	N/A	BL	UΤ	50	NRI	2/29/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A					<i>"</i> .	One sided exam due to far side cast material
Li1/JP17 SJC		N/A	SP	VT-1	100	RI	3/1/2012	XI-BN-04
Jet Pump Slip Joint Clamp	BWRVIP-41	N/A						IR1336082 - Evaluated as acceptable
Li1/JP17 WD-1	126182	N/A	SP	VT-1	100	RI	2/29/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A	_					IR1335602 - Evaluated as acceptable
L1/JP17-18 RBSP	603540	B-N-2	RE	EVT-1	70	NRI	2/29/2012	XI-BNN
Jet Pump Nos. 17 and 18 Riser Brace Support Pad Welds to RPV (2 Weld Buildup Locations 293 and 307 Az)	BWRVIP-48	B13.20			·			

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
i1/JP18 AD-1	126272	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
iet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						
i1/JP18 AD-2	125801	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
let Pump Adapter Bottom Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A					·	
		N/A	RE	VT-1	100	RI	2/29/2012	XI-BN-04
/essel Side Adjusting Screw Gap	BWRVIP-41	N/A						IR1335532 - A gap of 0.003" was evaluated as acceptable.
	<u></u>	N/A	RE	VT-1	100	NRì	2/29/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A	·.		•			
il/JP18 Aux Wedge Repair		N/A	RE	VT-3	100	NRI	2/29/2012	XI-BN-04
Shroud Side Jet Pump Aux Wedge Repair	BWRVIP-41	N/A						
	126086	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
let Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A	•		•			One sided exam due to far side cast material
Li1/JP18 DF-2	126305	N/A	BL	UΤ	100	NRI	2/29/2012	XI-BN-04
Jet Pump Diffuser Shell to Tailpipe Weld	BWRVIP-41	N/A				•		
⊔1/JP18 MX-2	125261	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41	N/A	•	• •				One sided exam due to far side cast material
Li1/JP18 WD-1	126185	N/A	SP	VT-1	100	RI	2/29/2012	XI-BN-04
Jet Pump Wedge Bearing Surface	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
		N/A	SP	VT-1	100	RI	2/29/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Top	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
Li1/JP18 WD-2b		N/A	SP	VT-1	100	RI	2/29/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Bottom	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
Li1/JP19 AD-1	126275	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A					·	
Li1/JP19 AD-2	125846	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/JP19 AS-2 (SS)		N/A	RE	VT-1	100	Ri	3/1/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A						IR1335582 - Evaluated as acceptable
	:	N/A	RE	VT-1	100	NRI	3/1/2012	XI-BN-04
/essel Side Adjusting Screw Tack Welds	BWRVIP-41	N/À						
Li1/JP19 DF-1	126050	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
let Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A	·					One sided exam due to far side cast material
	126308	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
let Pump Diffuser Shell to Failpipe Weld	BWRVIP-41	N/A						
Li1/JP19 MX-2	125264	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
Jet Pump Barrel to Adapter Weld	BWRVIP-41.	N/A			·			One sided exam due to far side cast material
L1/JP19 SJC		N/A	SP	VT-1	100	RI	3/1/2012	XI-BN-04
let Pump Slip Joint Clamp	BWRVIP-41	N/A			-			IR1336082 - Evaluated as acceptable
Li1/JP19 WD-1	126188	NA	SP	VT-1	100	RI	3/1/2012	XI-BN-04
let Pump Wedge Bearing Surface	BWRVIP-41	N/A			-		•	IR1335602 - Evaluated as acceptable
Li1/JP19 WD-2a		N/A	SP	VT-1	100	RI	3/1/2012	XI-BN-04
let Pump Wedge Adjusting Rod Tack Weld - Top	BWRVIP-41	N/A				-		IR1335602 - Evaluated as acceptable
L11/JP19 WD-2b		N/A	SP	VT-1	100	RI	3/1/2012	XI-BN-04
Jet Pump Wedge Adjusting Rod Tack Weld - Bottom	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
Li1/JP20 AD-1	126278	N/A	BL	UT	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Top to Adapter Bottom Weld - Bimetallic Weld	BWRVIP-41	N/A						
Li1/JP20 AD-2	125849	N/A	BL.	UΤ	100	NRI	2/29/2012	XI-BN-04
Jet Pump Adapter Bottom (Lower Ring) to Shroud Support Plate Weld	BWRVIP-41	N/A						
Li1/JP20 AS-2 (SS)		N/A	RE	VT-1	100	NRI	3/1/2012	XI-BN-04
Shroud Side Adjusting Screw Tack Welds	BWRVIP-41	N/A				•	r r	
Li1/JP20 AS-2 (VS)	·	N/A	RE	VT-1	100	NRI	3/1/2012	XI-BN-04
Vessel Side Adjusting Screw Tack Welds	BWRVIP-41	N/A		•		••		

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	iso Number Exam Comments
J1/JP20 DF-1	126092	N/A	BL.	υT	50	NRI	2/29/2012	XI-BN-04
et Pump Diffuser Collar to Diffuser Shell Weld	BWRVIP-41	N/A						One sided exam due to far side cast material
i1/JP20 DF-2	126311	N/A	BL	· UT ··	100	NRI	2/29/2012	XI-BN-04
let Pump Diffuser Shell to allpipe Weld	BWRVIP-41	NA	-		·			
≟1/JP20 MX-2	125093	N/A	BL	UT	50	NRI	2/29/2012	XI-BN-04
let Pump Barrel to Adapter Veld	BWRVIP-41	N/A					,	One sided exam due to far side cast material
≟1/JP20 WD-1	126191	N/A	SP	VT-1	100	RI	2/29/2012	XI-BN-04
let Pump Wedge Bearing Surface	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
.i1/JP20 WD-2a		N/A	SP	VT-1	100	Ri	3/1/2012	XI-BN-04
let Pump Wedge Adjusting Rod Tack Weld - Top	BWRVIP-41	N/A						IR1335602 - Evaluated as acceptable
i1/JP20 WD-2b		N/A	SP	VT-1	100	RI	3/1/2012	XI-BN-04
let Pump Wedge Adjusting Rod Tack Weld - Bottom	BWRVIP-41	···N/A					1.	IR1335602 - Evaluated as acceptable
Li1/P1A	606010	N/A	RE	EVT-1	45	NRI	2/26/2012	XI-BN-8
Core Spray "A" Loop N5B Thermal Sleeve to T-Box Weld 300 Az	BWRVIP-18	N/A		·	. ••			
 .i1/P1B	606015	N/A	RE	EVT-1	45	NRI	3/3/2012	XI-BN-8
Core Spray "B" Loop N5A Thermal Sleeve to T-Box Weld 60 Az	BWRVIP-18	N/A						
· · · · · · · · · · · · · · · · · · ·					100	AIDI	0.005.004.0	VI ÓN A
Li1/P2A Core Spray "A" Loop Header T-Box Cover Plate Weld 300 Az	606020 BWRVIP-18	N/A N/A	RE	EVT-1	100	NRI	2/25/2012	XI-BN-8
Li1/P2B	606025	N/A	RE	EVT-1	100	NRI	3/3/2012	XI-BN-8
Core Spray "B" Loop Header T-Box Cover Plate Weld 60 Az	BWRVIP-18	N/A						•
Li1/P3aA	606030	N/A	RE	EVT-1	65	NRI	2/27/2012	XI-BN-8
Core Spray "A" Loop Header T-Box to Pipe Weld Right Side 300 Az	BWRVIP-18	N/A						
Li1/P3aB	606040	N/A	RE	EVT-1	65	NRI	3/3/2012	XI-BN-8
Core Spray "B" Loop Header T-Box to Pipe Weld	BWRVIP-18	N/A						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments		
	606035	N/A	SP	EVT-1	65	Ri	2/26/2012	XI-BN-8		
Core Spray "A" Loop deader T-Box to Pipe Weld left Side 300 Az	BWRVIP-18	N/A						IR1333013 - Evaluated as acceptable		
i1/P3bB	606045	N/A	RE	EVT-1	65	NRI	3/2/2012	XI-BN-8		
core Spray "B" Loop leader T-Box to Pipe Weld eft Side 60 Az	BWRVIP-18	N/A								
i1/P4bA	606070	N/A	RE	EVT-1	50	NRI	3/2/2012	XI-BN-8		
core Spray "A" Loop Elbow o "A" Downcomer Pipe Veld 352.5 Az (Header Elevation)	BWRVIP-18	N/A								
							0.00.00	W DN G		
i1/P4bB Core Spray "B" Loop Elbow	606075 BWRVIP-18	N/A N/A	RE	EVT-1	65	NRI	3/3/2012	XI-BN-8		
o "B" Downcomer Pipe Weld 7.5 Az (Header Elevation)		WA								
i1/P4bC	606080	N/A	RE	EVT-1	50	NRI	2/24/2012	XI-BN-8		
core Spray "A" Loop Elbow o "C" Downcomer Pipe Veld 187.5 Az (Header Elevation)	BWRVIP-18	N/A					·			
i1/P4bD	606085	N/A	RE	EVT-1	50	NRI	3/2/2012	XI-BN-8		
Core Spray "B" Loop Elbow o "D" Downcomer Pipe Veld 172.5 Az (Header Elevation)	BWRVIP-18	N/A								
	606110	N/A	RE	EVT-1	65	NRI	3/3/2012	XI-BN-8		
Core Spray "A" Loop "A" Cowncomer Elbow to Shroud Pipe Weld 352.5 Az	BWRVIP-18	N/A								
	606190	N/A	RE	EVT-1	65	NRI	3/3/2012	XI-BN-8		
Core Spray "A" Loop "A" Shroud Pipe to Collar Weld 52.5 Az	BWRVIP-18	N/A								
i1/P8aB	606195	N/A	RE	EVT-1	55	NRI	3/3/2012	XI-BN-8		
core Spray "B" Loop "B" throud Pipe to Collar Weld .5 Az	BWRVIP-18	N/A								
i1/P8aC	606200	N/A	RE	EVT-1	65	RI	2/25/2012	XI-BN-8		
ore Spray "A" Loop "C" hroud Pipe to Collar Weld 87.5 Az	BWRVIP-18	N/A						IR1333013 - Evaluated as acceptable		
j1/P8aD	606205	N/A	RE	EVT-1	65	NRI	3/1/2012	XI-BN-8		
Core Spray "B" Loop "D" Shroud Pipe to Collar Weld 72.5 Az	BWRVIP-18	N/A								

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Description	Class	Item					Code Cases	Exam Comments	
i1/P8bA	606210	N/A	RE	EVT-1	55	NRI	3/2/2012	XI-BN-8	
Core Spray "A" Loop "A" Collar to Shroud Weld 352.5 Az	BWRVIP-18	N/A							
Li1/P8bB	606215	N/A	RE	EVT-1	65	NRI	3/3/2012	XI-BN-8	
Core Spray "B" Loop "B" Collar to Shroud Weld 7.5 Az	BWRVIP-18	N/A							• • •
Li1/P8bC	606220	N/A	RE	EVT-1	65	NRI	2/26/2012	XI-BN-8	
Core Spray "A" Loop "C" Collar to Shroud Weld 187.5 Az	BWRVIP-18	N/A						. •	
Li1/P8bD	606225	N/A	RE	EVT-1	40	NRI	3/2/2012	XI-BN-8	· · ·
Core Spray B Loop "D" Collar to Shroud Weld 172.5 Az	BWRVIP-18	N/A							
Li1/PB5	606270	N/A	RE	EVT-1	100	NRI	2/24/2012	XI-BN-8	
Core Spray "A" Loop "A and C" Header Pipe Bracket 195 Az	BWRVIP-18	N/A							
Li1/PB6 ;	606275	N/Å	RE	EVT-1	100	NRI	2/24/2012	XI-BN-8	
Core Spray "A" Loop "A and C" Header Pipe Radial Bracket 247.5 Az	BWRVIP-18	N/A					.a	•	. •
Li1/PB7	606280	· N/A	SP	EVT-1	100 -	Ri	3/3/2012	XI-BN-8	
Core Spray "A" Loop "A and C" Header Pipe Vertical Bracket 274.5 Az	BWRVIP-18	N/A						IR1336973 - Eval acceptable	uated as
Li1/S1A	606290	N/A	RE	EVT-1	90	NRI	2/29/2012	XI-BN-8	
"A" Sparger T-Box Cover Plate Weld (352.5 Az)	BWRVIP-18	N/A							٠.,
Li1/S1B	606295	N/A	RE	EVT-1	75	NRI	2/29/2012	XI-BN-8	
"B" Sparger T-Box Cover Plate Weld (7.5 Az)	BWRVIP-18	N/A		·					i <u>.</u>
Li1/S2aA	606310	N/A	RE	EVT-1	20	NRI	2/29/2012	XI-BN-8	
"A" Sparger T-Box to Pipe Weld (Right Side) (352.5 Az)	BWRVIP-18	N/A					٠		
Li1/S2aB	606320	N/A	RE	EVT-1	50	NRI	2/29/2012	XI-BN-8	
B" Sparger T-Box to Pipe Weld (Right Side) (7.5 Az)	BWRVIP-18	N/A							;
Li1/S2bA	606315	N/A	RE	EVT-1	30	NRI	2/29/2012	XI-BN-8	
"A" Sparger T-Box to Pipe Weld (Left Side) (352.5 Az)	BWRVIP-18	N/A							·

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	iso Number Exam Comments
i1/S2bB	606325	N/A	RE	EVT-1	40	NRI	2/29/2012	XI-BN-8
B" Sparger T-Box to Pipe Veld (Left Side) (7.5 Az)	BWRVIP-18	N/A						
i1/S3aXXC	606360	NA	RE	VT-1	100	RI	2/28/2012	XI-BN-8
C* Sparger Pipe to Nozzle Veld, Typical of 65 Nozzles XX) (93 - 267 Az)	BWRVIP-18	N/A						IR1336081 - Evaluated as acceptable
i1/S3bXXC	606380	N/A	RE	VT-1	100	RI	2/28/2012	XI-BN-8
C" Sparger Nozzle to Drifice Weld, Typical of 65 Drifices (XX) (93 - 267 Az)	BWRVIP-18	N/A						IR1336081 - Evaluated as acceptable
i1/S3dXXC	606420	N/A	RE	VT-1	100	RI	2/28/2012	XI-BN-8
C" Sparger Nozzle Stitch Welds, 2 Welds 180 Deg Apt, Mult Pics Ea Noz. (93 - 267 Az)	BWRVIP-18	N/A			•			IR1336081 - Evaluated as acceptable
	606450	N/A	RE	EVT-1	50	NRI	2/29/2012	XI-BN-8
A* Sparger Pipe to End cap Weld (Right Side) (88 kz)	BWRVIP-18	N/A						
j1/S4aB	606455	- N/A	RE	EVT-1	50	NRI	2/29/2012	XI-BN-8
B" Sparger Pipe to End Cap Weld (Right Side) (88 Az)	BWRVIP-18	N/A						
i1/S4bA	606470	N/A	RE	EVT-1	50	NRI	2/28/2012	XI-BN-8
A" Sparger Pipe to End Cap Weld (Left Side) (273 Az)	BWRVIP-18	N/A						
≟1/\$4bB	606475	N/A	RE	EVT-1	50	NRI	2/28/2012	XI-BN-8
B* Sparger Pipe to End Cap Weld (Left Side) (273 Az)	BWRVIP-18	N/A						* ;
i1/SB01	606490	N/A	RE	VT-1	90	NRI	2/29/2012	XI-BN-8
A and B* Sparger Bracket and Shroud Attachment Welds (7.5 Az)	BWRVIP-18	N/A						
i1/SB02	606495	N/A	RE	VT-1	90	NRI	2/29/2012	XI-BN-8
A and B" Sparger Bracket and Shroud Attachment Welds (44 Az)	BWRVIP-18	N/A						
	606500	N/A	RE	VT-1	90	NRI	2/29/2012	XI-BN-8
A and B" Sparger Bracket and Shroud Attachment Welds (84 Az)	BWRVIP-18	N/A						.,

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
				· · · · · · · · · · · · · · · · · · ·				
i1/SB10		N/A	RE	VT-1	50 ,	NRI	2/28/2012	XI-BN-8
A and B" Sparger Bracket and Shroud Attachment Velds (276 Az)	BWRVIP-18	N/A						
i1/SB11	 	N/A	RE	VT-1	80 -	RI	2/29/2012	XI-BN-8
A and B" Sparger Bracket	BWRVIP-18	N/A	1112	•••		• • • • • • • • • • • • • • • • • • • •	DEGREE	IR1335526 - Evaluated as
and Shroud Attachment Welds (316 Az)								acceptable
J1/SB12		N/A	RE	VT-1	90	NRI	2/29/2012	XI-BN-8
A and B" Sparger Bracket and Shroud Attachment Welds (352.5 Az)	BWRVIP-18	N/A	•					
i1/SDBH1a		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Bottom	BWRVIP-139	N/A			. **	. •		
Horizontal weld on edge of Hood No. 1 (0 deg side)							,	
J1/SDBH1b		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Bottom	BWRVIP-139	N/A	1					•
Horizontal weld on edge of Hood No. 1 (180 deg side)								·
Li1/SDBH6a		N/A	RE	VT-1-89	100	NRI	2/22/2012	XI-BN-01
Steam Dryer Bottom	BWRVIP-139	N/A						
Horizontal weld on edge of Hood No. 6 (0 deg side)	••							•
Li1/SDBH6b		N/A	RE	VT-1-89	100	NRI	2/22/2012	XI-BN-01
Steam Dryer Bottom	BWRVIP-139	N/A		-				
Horizontal weld on edge of Hood No. 6 (180 deg side)		. • . • •			1		.;	٠.
J1/SDCN		N/A	SP	VT-1-89	100	RI	3/1/2012	XI-BN-01
Steam Dryer Cam Nuts (48 locations)	BWRVIP-139	. N/A						IR1335655 - Evaluated as acceptable
Li1/SDDC3a	·	N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Drain Channel	BWRVIP-139		-					
No. 3 Vertical Weld to Skirt (184 Az)								
Li1/SDDC3b		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Drain Channel No. 3 Vertical Weld to Skirt (229 Az)	BWRVIP-139	N/A						
Li1/SDDC3c		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Drain Channel No. 3 Horizontal Weld to Support Ring (184 - 229 Az)		N/A			٠			

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments	
<u></u>			DE	\/T 4 00	100	NRI			
Li1/SDEB1a Steam Dryer End Bank	BWRVIP-139	N/A N/A	RE	VT-1-89	100	MUI	3/1/2012	XI-BN-01	
vertical weld on curved side of Hood No. 1 (0 deg side)	DVVIIVIII - 109								
Li1/SDEB1b		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01	
Steam Dryer End Bank vertical weld on perforated side of Hood No. 1 (0 deg side)	BWRVIP-139	N/A							
Li1/SDEB1c		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01	
Steam Dryer End Bank vertical weld on curved side of Hood No. 1 (180 deg side)	BWRVIP-139	N/A							٠.
Li1/SDEB1d		N/A	RE	VT-1-89	90	NRI	3/1/2012	XI-BN-01	·
Steam Dryer End Bank vertical weld on perforated side of Hood No. 1 (180 deg side)	BWRVIP-139	N/A					·	en e	
Li1/SDEB6a		NA	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01	
Steam Dryer End Bank vertical weld on curved side of Hood No. 6 (0 deg side)	BWRVIP-139	N/A							
Li1/SDEB6b		N/A	RE	VT-1-89	90	NRI	3/1/2012	XI-BN-01	
Steam Dryer End Bank	BWRVIP-139		1114	** ***	50		G/ 1/2012	AL DICTOR	•
vertical weld on perforated side of Hood No. 6 (0 deg side)				· :		٠			
Li1/SDEB6c		N/A	RE	VT-1-89	100	NRI	2/23/2012	XI-BN-01	
Steam Dryer End Bank vertical weld on curved side of Hood No. 6 (180 deg side)	BWRVIP-139	N/A							٠
Li1/SDEB6d	,	N/A	RE	VT-1-89	90	NRI	3/1/2012	XI-BN-01	
Steam Dryer End Bank vertical weld on perforated side of Hood No. 6 (180 deg side)	BWRVIP-139	N/A							
Li1/SDHS1a		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 1a	BWRVIP-139	N/A							
Li1/SDHS1b	 	N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 1b	BWRVIP-139	N/A							
Li1/SDHS1c		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 1c	BWRVIP-139	N/A							

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i1/SDHS1d		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Veld 1d	BWRVIP-139	N/A			·				
i1/SDHS2a		N/A	RE	VT-1-89	1,00	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 2a	BWRVIP-139	N/A							· · · · · · · · · · · · · · · · · · ·
J1/SDHS2b	· .	N/A	RE	VT-1-89	90	NRI	3/1/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 2b	BWRVIP-139	N/A							
Li1/SDHS2c		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 2c	BWRVIP-139	N/A							
Li1/SDHS2d		N/A	RE	VT-1-89	100	NRI	2/24/2012	XI-BN-01	
Steam Dryer Hood Seam . Weld 2d	BWRVIP-139	N/A					٠,		
Li1/SDHS2e		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 2e	BWRVIP-139	N/A					٠		
Li1/SDHS4a	٠.	· N/A	RE	VT-1-89	100	NRI	, 3/1/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 4a	BWRVIP-139	N/A					the transfer of		
Li1/SDHS4b		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 4b	BWRVIP-139	N/A							
Li1/SDHS4c	· , . · · ·	N/A	RE	VT-1-89	90	NRI	3/1/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 4c	BWRVIP-139	N/A					.*		
Li1/SDHS4d		N/A	SP	VT-1-89	100	Ri	3/1/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 4d	BWRVIP-139	N/A						IR1336995 - Evalu acceptable	ated as
Li1/SDHS4e		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 4e	BWRVIP-139	N/A							
Li1/SDHS6a		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 6a	BWRVIP-139	N/A							
Li1/SDHS6b		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 6b	BWRVIP-139	N/A						-	
Li1/SDHS6c		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01	
Steam Dryer Hood Seam Weld 6c	BWRVIP-139								

Component ID Description	Summary # Class	Category Item	Exam Reason		Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
Li1/SDHS6d		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01
Steam Dryer Hood Seam Weld 6d	BWRVIP-139	N/A					•	. *
i1/SDLR 041.5 Az		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01
Steam Dryer Lifting Rod 1.5 Degree Azimuth	N/A	N/A						
i1/SDLR 138.5 Az		N/A	RE	VT-1-89	100	NRI	2/29/2012	XI-BN-01
Steam Dryer Lifting Rod 38.5 Degree Azlmuth	N/A	N/A						No.
j1/SDLR 221.5 Az		N/A	RE	VT-1-89	100	NRI	3/1/2012	XI-BN-01
Steam Dryer Lifting Rod 21.5 Degree Azimuth	N/A	N/A				<u>.</u> .	,	* # 2
i1/SDLR 318.5 Az		N/A	RE	VT-1-89	100	RI	3/1/2012	XI-BN-01
Steam Dryer Lifting Rod 318.5 Degree Azimuth	N/A	NA						IR1336601 - Evaluated as acceptable
Li1/SDLRDTW		N/A	RE	VT-1-89	100	RI	3/1/2012	XI-BN-01
Steam Dryer Lifting Rod D 318.5 deg) tack welds	BWRVIP-139	N/A						IR1336601 - Evaluated as acceptable
i1/SDMWa		N/A	RE	VT-1-89	100	NRI	2/22/2012	XI-BN-01
Steam Dryer Man Way weld (0 deg side)	BWRVIP-139	N/A						
i1/SDMWb		N/A	RE	VT-1-89	100	NRI	2/22/2012	XI-BN-01
Steam Dryer Man Way weld (90 deg side)	BWRVIP-139	N/A					*	
Li1/SDMWc		N/A	RE	VT-1-89	100	NRI	2/22/2012	XI-BN-01
Steam Dryer Man Way weld (180 deg side)	BWRVIP-139	N/A					.•	
Li1/SDMWd		N/A	RÉ	VT-1-89	100	NRI	2/22/2012	XI-BN-01
Steam Dryer Man Way weld (270 deg side)	BWRVIP-139	N/A						
Li1/SDPP2a		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Plenum Partition on Hood No. 2 (0 deg side)	BWRVIP-139	N/A						······································
Li1/SDPP2b		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Plenum Partition on Hood No. 2 (180 deg side)	BWRVIP-139	N/A						*.
Li1/SDPP3a		N/A	RE	VT-1-89	100	NRI	2/23/2012	XI-BN-01
Steam Dryer Plenum Partition on Hood No. 3 (0 deg side)	BWRVIP-139	N/A						

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Li1/SDPP3b		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Plenum Partition on Hood No. 3 (180 deg side)	BWRVIP-139	N/A						
Li1/SDPP4a		N/A	RE	VT-1-89	100	NRI	2/23/2012	XI-BN-01
Steam Dryer Plenum Partition on Hood No. 4 (0 deg side)	BWRVIP-139	N/A					• .	
Li1/SDPP4b		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Plenum Partition on Hood No. 4 (180 deg side)	BWRVIP-139	N/A						
Li1/SDSB 004 Az	604970	B-N-2	SP	VT-3	100	RI	3/2/2012	XI-BNN
Steam Dryer Support Bracket Attachment Weld to RPV	BWRVIP-48	B13.30						IR1336953 - Evaluated as acceptable
Li1/SDSB 094 Az	604980	B-N-2	SP	VT-3	100	RI	2/28/2012	XI-BNN
Steam Dryer Support Bracket Attachment Weld to RPV	BWRVIP-48	B13.30				. •		IR1336953 - Evaluated as acceptable
Li1/SDSB 184 Az	604990	B-N-2	SP	VT-3	100		2/23/2012	XI-BNN
Steam Dryer Support Bracket Attachment Weld to RPV	BWRVIP-48	B13.30						IR1336953 - Evaluated as acceptable
Li1/SDSB 184 Az	604990	B-N-2	RE	EVT-1	80	NRI	2/23/2012	XI-BNN
Steam Dryer Support Bracket Attachment Weld to RPV	BWRVIP-48	B13.30		:				
Li1/SDSB 274 Az	605000	B-N-2	SP	VT-3	100	RI	2/23/2012	XI-BNN
Steam Dryer Support Bracket Attachment Weld to RPV	BWRVIP-48	B13.30	•					IR1336953 - Evaluated as acceptable
LI1/SDTH1		. N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-01
Steam Dryer Top Horizontal weld on Hood No. 1	BWRVIP-139	N/A						
	605050	N/A	SP	VT-3/VT- 1-89	100	RI	2/24/2012	XI-BN-02
Shroud Head/ Steam Separator Assembly, 48 Shroud Head Bolts, Lugs, Brackets, Welds and	N/A	N/A 						IR1331975 - Evaluated as acceptable
Surfaces	•	· · · · · · · · · · · · · · · · · · ·						
Li1/SSB 030 Deg Lower	604780	B-N-2	RE	VT-1	70	NRI	3/3/2012	XI-BNN
Surveillance Specimen Bracket Attachment Weld to RPV	BWRVIP-48	B13.20						

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	Iso Number Exam Comments
i1/SSB 030 Deg Upper	604790	B-N-2	RE	VT-3	100-	NRI	3/3/2012	XI-BNN
Surveillance Specimen Bracket Attachment Weld to RPV	BWRVIP-48	B13.20						· .
i1/SSB 120 Deg Lower	604810	B-N-2	RE	VT-1	100	NRI	2/25/2012	XI-BNN
Surveillance Specimen Bracket Attachment Weld to RPV	BWRVIP-48	B13.20						
i1/SSB 120 Deg Upper	604820	B-N-2	RE	VT-3	.95	NRI	2/25/2012	XI-BNN
Surveillance Specimen Bracket Attachment Weld to RPV	BWRVIP-48	B13.20						
Li1/SSH 030 Deg	604770	N/A	SP	VT-3	100	NRI	3/4/2012	XI-BN-12
Surveillance Specimen Holder	N/A	N/A						
Li1/SSH 120 Deg	604800	N/A	SP	VT-3	100	NRI	3/5/2012	XI-BN-12
Surveillance Specimen Holder	N/A	N/A					. •	
Li1/SSH 300 Deg	604830	N/A	SP	VT-3	100	NRI	3/4/2012	XI-BN-12
Surveillance Specimen Holder	N/A	N/A		•				
i1/SSLR 059.5 Az		NA	RE	VT-1-89	100	RI	3/2/2012	XI-BN-02
Steam Separator Lifting Rod 59.5 Degree Azimuth	N/A	N/A						IR1331975 - Evaluated as acceptable
Li1/SSLR 142.5 Az		N/A	RE	VT-1-89	100	NRI	3/2/2012	XI-BN-02
Steam Separator Lifting Rod 142.5 Degree Azimuth	N/A	N/A						•
Li1/SSLR 239.5 Az		N/A	RE	VT-1-89	95	NRI	3/2/2012	XI-BN-02
Steam Separator Lifting Rod 239.5 Degree Azimuth	N/A	N/A						· .
Li1/SSLR 322.5 Az		N/A	RE	VT-1-89	95	NRI	3/2/2012	XI-BN-02
Steam Separator Lifting Rod 322.5 Degree Azimuth	N/A	N/A						en e
Li1/TG	605070	B-N-2	BL	EVT-1	100	NRI	2/28/2012	XI-BN-07 PG. 1
Top Guide Assembly - Velds and Surfaces	BWRVIP-183	B13.40					,	TG Beam Cell 14-47, 18-07, 18-55, 22-23, 22-39, 30-51, 38-23, 46-47, 50-47, and 54-35
Li1/V07		B-N-2	BL.	UT	71.2	NRI	2/24/2012	XI-BN-10
Core Shroud Vertical Weld - Plate to Plate Welds Between H01 And H02 - 45 Deg Az.	BWRVIP-76 / B-N-2	B13.40	·					·

Component ID Description	Summary # Class	Category Item	Exam Reason	Actual Exam	Percent Coverage	Exam Results	Insp. Date Code Cases	iso Number Exam Comments
	Olass							Latin Comments
i1/V08		B-N-2	BL	UT	66.9	NRI	3/3/2012	XI-BN-10
ore Shroud Vertical Weld - late to Plate Welds	BWRVIP-76 / B-N-2	B13.40						· .
letween H01 And H02 - 25 Deg Az.							. •	·
i1/V15		B-N-2	BL	UT	77.5	NRI	3/5/2012	XI-BN-10
core Shroud Vertical Weld - Plate to Plate Welds	BWRVIP-76 / B-N-2	B13.40						
letween H03 And H04 - 35 Deg Az.								
i1/V16	•	B-N-2	BL	ÚŤ	78.9	NRI	3/4/2012	XI-BN-10
Core Shroud Vertical Weld - Plate to Plate Welds	BWRVIP-76 / B-N-2	B13.40						
letween H03 And H04 - 15 Deg Az.	٠.	· .		.*	,			
i1/V17		B-N-2	RÉ	ÚΤ	89.7	Ri	3/4/2012	XI-BN-10
Core Shroud Vertical Weld - Plate to Plate Welds	BWRVIP-76 / B-N-2	B13.40						ECR LG 12-00109 evaluated as acceptable
Between H04 And H05 - 45 Deg Az.								
i1/V18	•	B-N-2	RE	ÜΤ	91.3	RI	3/3/2012	XI-BN-10
Core Shroud Vertical Weld - Plate to Plate Welds	BWRVIP-76 / B-N-2	B13.40		, .·.,				ECR LG 12-00109 evaluated as acceptable
Between H04 And H05 - 225 Deg Az.	. ·							
i1/V25		B-N-2	BL	UT	70.9	NRI	3/5/2012	XI-BN-10
Core Shroud Vertical Weld - Plate to Plate Welds Between H06 And H07 -	BWRVIP-76 / B-N-2	B13.40			* 5			
135 Deg Az.								
J1/V26		B-N-2	BL	υT	90.2	NRI	3/4/2012	XI-BN-10
core Shroud Vertical Weld - Plate to Plate Welds Letween H06 And H07 - 15 Deg Az.	B-N-2	B13.40						

Limerick Unit 1

	_	Nur	nber an	d Perce	ntage of ISI	Examination	ons Complet	ed		· · · · · · · · · · · · · · · · · · ·
Category	Notes	Total Exams	Exa	ns in iod 1	Percentage for Period 1	Exams in Period 2	Percentage for Period 2	Exan Peri		Percentage for Period 3
		in the Interval	1R12	1R13		1R14		1R15	1R16	
B-A		30	7	0	23.3%	9.5	31.6%			
B-D	1	34	14	6	35.3%	8	23.5%			
B-G-1		336	0	104	30.9%	120	35.7%			, ,
B-G-2	3	N/A	7	3	N/A	1	N/A			N/A
В-К	12	3	0	1	33.3%	1	33.3%			
B-L-2	3	1	0	0	N/A	0	N/A			N/A
B-M-2	3	21	4	1	N/A	0	N/A			N/A
B-N-1	2	N/A	N/A	N/A	N/A	. N/A	N/A	N/A	N/A	N/A
B-N-2	2	N/A	N/A	N/A	N/A .	N/A	N/A	N/A	. N/A	N/A
B-P		10	2	2	40.0%	2	20.0%			
C-A		4	0	1	25.0%	1	25.0%			
С-В		4	0	1	25.0%	1	25.0%			
C-C		15	3	0	20.0%	6	40.0%			
C-G		8	3	0	37.5%	2	25.0%			
C-H	4, 5	143	26	22	34.3%	1/32	22.4%			
D-A		16	5	2	43.8%	4	25.0%			
D-B	4, 5	128	21	20	33.6%	2/24	18.8%			
F-A		344	72	13	24.9%	136	39.5%			
R-A	6, 11	111	17	14	24.6%	38	34.2%			

Number and Percentage of Containment ISI Examinations Completed

Category	Notes	Notes	Total Exams		ns in od 1	Percentage for Period 1	Exams in Period 2	Percentage for Period 2	Exar Peri	ns in od 3	Percentage for Period 3
		in the Interval	1R12	· 1R13		1R14		1R15	1R16		
E-A	7, 10	27	9	0	33.3%	9	33.3%				
E-C	9	0	0	0	N/A	0	N/A			N/A .	
L-A	8	9	3	0	N/A	3	N/A			N/A	

Notes

- 1 Relief Request I3R-14 was approved to implement code case N-702; this reduced the number of RPV nozzles required to be inspected. This was implemented in 1R13. Of the 20 inspections performed during the first period only 12 inspections are credited to the total inspections.
- 2 Relief Request I3R-03 was approved to use the BWRVIP guidelines for examining these welds. No counts will be recorded for these categories.
- 3 Inspections are only required when components are disassembled; no percentages will be determined for this category.
- 4 Examinations reported in the second period were credited for both the first and second period. The first number is the examinations credited for the first period and the second number is credited for the second period. The percentage for the first period includes the examinations reported in the second period but credited to the first period.
- 5 The remainder of the examinations will be completed during the remainder of the second period and reported in the next report.
- 6 The total number of components changed during the second period based on the PRA update.
- 7 The examinations performed for item number E1.11 bolting will not be recorded in the examination totals or the percentages because these inspections are only performed when the bolting is disconnected.
- 8 The code requirement is to complete the examination every 5 years, since the inspections can only be completed during an outage the examinations are completed every 4 years. The code percentages are not required for this category.
- 9 There are no components contained in this category. The suppression pool inspection for the coatings maintenance plan identified a number of plates that will be classified IWE Category E-C in the next period.
- 10 Examinations for item number E1.20 are only required once per interval. These examinations were completed in 1R13 and 1R14 however, the examinations are not counted in the completion percentage for Category E-A.
- 11 The total examinations for Category R-A do not include the VT-2 inspections on socket welds that are completed each outage.
- 12 Credit is only taken for one of the components inspected during this period.

Section 2: Summary of Conditions Observed

As a result of the examinations performed during the Limerick Generating Station Unit 1, Refuel Outage 14, there were no new indications requiring flaw evaluations that are reportable to the NRC, either by ASME Section XI requirements or BWRVIP protocol. Numerous other conditions were recorded and subsequent examinations and/or evaluations determined all conditions to be either non-relevant or geometric in nature.

The following is a summary of the significant indications identified during the inspections.

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Component	Reference	Description and Resolution
HBC-152-003F	IR 1173559	Pinhole leak identified on ESW piping.
,	C0236858	Replaced piping on 3/9/11
HBC-143-03	IR 1114013	Pinhole leak identified on ESW piping.
1,50 1,600	C0236810	Base metal repair performed on 3/11/11
HBC-082-01	IR 1244448	Pinhole leak identified on ESW piping.
1.50 002 01	C0239201	Base metal repair performed during 1R14
HBC-141-04	IR 1293854	Pinhole leak identified on ESW piping.
1100 141 04	C0240743	Base metal repair performed during 1R14
,		The state of the s
Component	Reference	Description and Resolution
10S199-DWH	IR 1332997	Indications Identified on Drywell Head
100100-54411	1111002007	Several indications were identified on the drywell head:
		Bolt support between 51 and 52 has apparent impact damage.
	·	Paint is chipped between all of the bolts.
	11	3. Paint is chipped at various locations on the ID and OD of the head.
		Evaluated to be acceptable until a coating repair in 1R15.
APE-1MS-HHA1	IR 1333019	Support nut has a slight gap on one side; the other side is tight
AFE-IMO-HHAI	In 1999019	Evaluated to be acceptable, a straight edge determined the nut was not
_		misaligned.
DCA-101-H003	IR 1338149	The variable support was found outside the acceptance criteria.
DCA-101-0003	in 1330149	Determined to be a failure; the cause was concluded to be the initial setup of
	1 .	
		the support. The support has two spring cans that do not carry the piping load
		equally. The as found loads were reversed in the field. The support was
		reworked to return the support to the design condition.
		Code Case N-586-1 reviewed the other supports on Feedwater, RWCU, Main
		Steam, and Reactor Recirculation and determined no other support had a
		configuration similar to this support, no additional inspections were required.
DOA 405 F04 H004	15 4005550	Successive examinations were scheduled for the next period.
DCA-185-E01-H001	IR 1335559	The variable supports were found outside the acceptance criteria.
DCA-185-E01-H005		Determined to be a failure; the supports were reworked to return the supports
		to the design condition.
		Code Case N-586-1 determined the cause to be previously performed
l .	}	physical work on the piping caused a change in the load set. The scope
		expansion was to inspect the other drain lines off Reactor Recirculation that
		had physical work completed. The scope expansion was 5 additional
		supports.
	15 1000010	Successive examinations were scheduled for the next period.
DCA-177-E01-H007	IR 1336918	Additional examination for IR 1335559; variable support was found outside
	1	the acceptance criteria.
	}	Determined to be a failure; the support was reworked to return the support to
	1	the design condition.
	ł	No additional scope expansion because the support was part of the targeted
	j	scope expansion identified in the Code Case N-586-1 evaluation for IR
		1335559.
		Successive examination was scheduled for the next period.
GBB-112-H001	IR 1330590	Examination found no lock nuts on the support base. Review of the
	1	installation specification determined lock nuts were not required. The support
		was installed per the installation specification.
GBB-112-H901	IR 1330591	Examination found no lock nuts on the support base. Review of the
		installation specification determined lock nuts were not required. The support
	1	was installed per the installation specification.

HBB-120-H023	IR 1331128	Examination identified minor surface defects in the concrete under the support's base. An evaluation determined the defects did not affect the structural integrity of the support. The support is acceptable in the as found condition.
HBC-138-H025	IR 1335829	Examination identified the support gap was too large. A re-examination of the gaps determined the gaps were acceptable; the support is acceptable in the as found condition.
VRR-1RS-HHA7	IR 1332450	Examination identified the support rod was touching the grading; no indications were observed on the support rod. The support was determined to be acceptable and the grading was moved.
VRR-1RS-1A N1A IR 1331737		Examination identified the weld was discolored. The discoloring washed off the weld and a surface exam was satisfactory performed on the weld. The weld was acceptable.
10S199-SPL-SS 10S199-VS-SPSS	IR 1364843	Examinations of the suppression pool identified a number of conditions. These conditions are described and evaluated in the Limerick Suppression Pool section of this report.
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Component	Reference	Description and Resolution
Steam Separator	12-01 IR 1331975 12-02 IR 1331969 12-07 IR 1333563 12-17 IR 1336992	Outer Standpipe Tie Straps: No changes in these conditions have occurred since the previous inspection. Upper Support Ring Gussets (USRG): No changes noted in the previously identified deformation to 14 of 24 USRGs. Mid Support Ring Gussets (MSRG): No changes noted to previously identified indications on MSRGs with the exception of one new indication small indication on MSRG 14 and small growth on the indication on MSRG 06. Lifting Lug Assembly at 59.5 deg: No changes were found to the linear indication since the previous inspection, and it was measured to be approximately 2 inches long. All indications on the steam separator were evaluated as acceptable without
	· · · · · · · · · · · · · · · · · · ·	repair per IR 1331975-02.
Jet Pump AS-1 Set Screws	12-03 IR 1332291 12-03R1 IR 1335532	Vessel side set screw gaps found during Li1R14 are as follows: JP 1 - 0.011" JP 3 - 0.003" (No apparent change; previous gap = 0.004" (Li1R13)) JP 4 - 0.006" JP 5 - 0.012" JP 6 - 0.005" JP 7 - 0.017" JP 9 - 0.003" (Gap has decreased from 0.013" in Li1R13) JP 11 - 0.010" JP 17 - 0.009" JP 18 - 0.003"
		No gaps were identified on the shroud side set screws. All vessel side gaps were evaluated as acceptable except for JP07, which required an auxiliary wedge to be installed per IR 1335532-A02.

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Jet Pump Wedge	12-04	Minor wedge wear and/or wedge rod wear was identified on jet pumps 2, 4, 8,
Assemblies	IR 1332153	9, 17, 18, 19, and 20. Specific Li1R14 findings include:
•	12-04R1	
	IR 1335602	Jet Pump # 2: Minor wedge rod wear noted at the top surface of the main
		wedge. This minor wear has not been identified previously.
		Jet Pump # 4: Minor wedge rod wear noted at the top and bottom surface of
	1	the main wedge. The wear on top is unchanged from last outage. A slight
	} .	increase in wear has occurred on the wedge rod at the bottom surface.
	\$	Jet Pump # 8: Minor wedge rod wear noted at the bottom surface of the main
		wedge. No change in wear since the last inspection performed in Li1R13.
·	·	Jet Pump # 9: Rolled metal on the main wedge-bearing surface. The wedge
, , ,		had shifted off of its pad. Expanded scope was performed on the wedge rod
٠.	* *	at the top and bottom surface with no recordable indications identified.
		Jet Pump # 17: The wedge had shifted off of its pad since the last inspection
		was performed in Li1R13.
	}	Jet Pump # 18: Minor wear on the main wedge-to-restrainer bracket interface,
•		and minor wear on the wedge rod at both the top and bottom surfaces of the
;; , -		main wedge. The wear at all three locations has not changed since last
		outage (Li1R13).
,		Jet Pump # 19: Minor wear on the main wedge-to-restrainer bracket interface,
		and minor wear on the wedge rod at both the top and bottom surfaces of the
		main wedge. The wear at all three locations has not changed since last
÷ .		outage (Li1R13).
	l	
		Jet Pump # 20: Minor wear on the main wedge-to-restrainer bracket interface,
:-		and minor wear on the wedge rod at both the top and bottom surfaces of the
		main wedge. The wear at all three locations has not changed since last
	** "	outage (Li1R13).
		All indications evaluated as acceptable per IR 1335602-02. No repair
1.5		hardware was required.
Jet Pump Set Screw	12-05, 12-05R1	There were no changes to previously identified cracked set screw tack welds
Tack Weld	IR 1335582	on jet pumps 8, 12, 14, 17 and 19. However, a new cracked tack weld was
	, * · · ·	discovered on the shroud side set screw of jet pump 1. This indication was
{		identified on the left side tack weld of the shroud side set screw. The right side
}	1	tack weld was verified to be intact. All indications were evaluated as
[acceptable without repair per IR 1335582-02.
Core Spray Piping	12-06	A new indication was visually identified by EVT-1 during Li1R14 on the P3bA
P3bA and P8aC	IR 1333013	weld to the left of the first indication on the header piping. A review of the UT
PODA and Poac	IN 1333013	
	1	data from Li1R13 finds that this new indication, identified with EVT-1 during
		the 1R14 outage, was part of the same flaw detected during the UT
	1	examination in Li1R13. Therefore, this indication is not new. It existed
,	1	previously and has not changed. The condition of P3bA was evaluated as
	**************************************	acceptable per IR 1333013-04.
6 - A - 1		No change noted to a previously identified indication on the P8aC weld.
	l	Evaluated as acceptable per IR 1333013-03.
CS Sparger Bracket	12-08	No changes noted to previously identified indication on CS Sparger Bracket
- SB11	IR 1335526	SB11. Evaluated as acceptable per IR 1335526-02.
Steam Dryer Cam	12-09	A total of 20 cam nuts and/or washers were identified with indications on
Nuts (SDCN)	IR 1335655	SDCN # 04, 15, 17, 18, 19, 20, 22, 23, 24, 26, 28, 31, 32, 35, 37, 39, 40, 42,
INGIO (ODOIN)	111 1333033	
		43, and 47. Eight (8) Cam Nuts were found with no apparent change from the
	.1	previous inspections and 12 Cam Nuts were found to have new indications in
· ·	I	the slot areas. All were evaluated as acceptable and none required repair per
<u> </u>	 	IR 1335655-02.
CS Sparger Nozzie	12-10	Minor damage was identified on the # 54c Core Spray Sparger Nozzle at 268
Damage	IR 1336081	degrees. This indication was evaluated as acceptable without repair per IR
	1	1336081-02
JP Slip Joint Clamp	12-11	No changes identified from the previous condition of JP11 and 17 slip joint
Wear	IR 1336082	clamps, however, increased wear between the middle strut and diffuser top
		contact area was identified on JP19 slip joint clamp. All indications were
		evaluated as acceptable with no repairs required per IR 1336082-02.
4	1	T evaluated as acceptable with no repails required bet in 1550002-02.

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FW Sparger End Brackets	12-12 IR 1336083	The nut on the feedwater sparger end bracket pins have traveled down to touch the tack weld at the bottom of the pin on 8 of 12 pins. Minor wear was observed on bracket top outboard side of feedwater sparger end bracket pins at 185, 235, 295, and 305 deg. The pin at 295 deg has rotated and the pin at 305 shows minor movement in the lower plate. These conditions were evaluated as acceptable without repair per IR 1336083-02.
Steam Dryer Support Bracket (SDSB)	12-13 IR 1336953	Wear was observed on all four of the SDSBs, which are located at 4, 94, 184, and 274 degrees. No appreciable changes were noted to the previous conditions with the exception of one location. The 94 degree SDSB top surface has shown a minor increase in wear between the Li1R13 and Li1R14 results. All indications were evaluated as acceptable without repair per IR 1336953-02.
Core Spray Piping Bracket - PB07	12-14 IR 1336973	No changes noted to previously identified indications on Core Spray Pipe Bracket PB07. Evaluated as acceptable per IR 1336973-02.
Steam Dryer Lifting Rod – 318.5 deg	12-15 IR 1336601	No changes noted to previously identified indication on the steam dryer lifting rod at 318.5 degrees. Evaluated as acceptable without repair per IR 1336601-02.
Jet Pump 13/14 RS-9	12-16 IR 1336977	Re-examination in Li1R14, with additional lighting and cleaning Performed has shown a decrease in indication size from 0.372" to 0.265". Evaluated as acceptable without repair per IR 1336977-02.
Steam Dryer Hood Seam Weld # 4d (SDHS4d)	12-18 IR 1336995	No changes noted to a previously identified indication on the top of SDHS4d. Evaluated as acceptable without repair per IR 1336995 -02.
Core Shroud Welds	IR 1335709 ECR LG 12-00109	Indications were identified on H1, H4, V17, and V18 and evaluated under ECR LG 12-00109. No indications were identified on V7, V8, V15, V16, V25, and V26. Reference IR 1335709.

Snubbers:

Functional testing of snubbers was performed during Li1R14 in accordance with Limerick Unit 1 Technical Specifications 4.7.4.e and Surveillance Test ST-1-103-300-1. The sample selection included the following:

- 37 PSA mechanical snubbers were functionally tested as part of the 37 test plan
- 26 Lisega hydraulic snubbers were functionally tested as part of the 13.3% test plan
 - o One hydraulic snubber failed its functional test (DCA-151-J01-H007), which required a scope expansion. Reference IR 1332980.
 - o Scope expansion consisted of 13 Lisega hydraulic snubbers; all functionally tested satisfactorily.
- 1 PSB compensating strut was functional tested as part of the 13.3% test plan

The following activities were also performed on snubbers during Li1R14:

- 50 mechanical snubbers were regreased per PM program
- 4 snubbers were retested as a result of functional test failures in Li1R13
 - o One Lisega hydraulic snubber failed its retest (DCA-318-H002) and was replaced with a PSA-35 mechanical snubber. Reference IR 1330875
- 3 mechanical snubbers were tested and replaced under the service life monitoring program

Shroud Inspection Results:

During Li1R14, two core shroud horizontal welds (H1 and H4) and eight vertical welds (V7, V8, V15, V16, V17, V18, V25, and V26) were inspected by UT from two sides as required by BWRVIP-76. Indications were identified on 4 welds (H1, H4, V17 and V18) and were evaluated as acceptable for one cycle of continued operation by Structural Integrity Associates. The evaluation was approved via ECR LG 12-00109 and processed into the Site Records Management system (EDMS). Specific findings, coverage, and safety factors after one cycle of crack growth are identified in the table below:

Weld ID	% of weld length examined	% of weld length flawed	% of weld length examined from opposing sides	Safety Factor projected to Li1R15	Re-inspection or Re-evaluation Required
H1 LKDN	50.1%	0%	47.7%	18.64 Upset /	Li1R15
H1 LKUP	75.3%	67.2%	71.770	9.47 Faulted	Linis
H4 LKDN	96.9%	62.5%	96.2%	21.63 Upset /	Li1R15
H4 LKUP	99.3%	12.8%	90.2%	11.77 Faulted	כוחום
V7	82.4%	0%	71.2%	N/A	Li1R19
V8	80.2%	0%	66.9%	N/A	Li1R19

Weld ID	% of weld length examined	% of weld length flawed	% of weld length examined from opposing sides	Safety Factor projected to Li1R15	Re-inspection or Re-evaluation Required
V15	80.0%	0%	77.5%	NA	Li1R19
V16	81.3%	0%	78.9%	N/A	Li1R19 ,
V17	91.6%	6.7%	89.7%	9.13 Normal / 8.95 Faulted	Li1R15
V18	92.6%	4.2%	91.3%	5.63 Normal / 5.53 Faulted	Li1R15
V25	78.9%	0%	70.9%	· N/A	Li1R19.
V26	92.7%	0%	90.2%	N/A	Li1R19

Limerick Suppression Pool:

During the Li1R14 refueling outage an inspection was performed of the submerged portion of the suppression pool. This inspection was performed per the Coating Maintenance Plan. The ISI inspection of the submerged portion of the suppression pool (Category E-A Item E1.12 "Wetted Surfaces of Submerged Areas") will be completed during the third period of the second interval for Containment ISI (1R15 or 1R16).

Limerick Specification NE-101 contains the criteria for a metal repair of the liner. A metal repair of the liner is required for any localized areas of general corrosion less than 2.5 inches in diameter with a depth of 187 mils and for areas larger than 12.5 inches in diameter with a depth of 125 mils. For areas between 2.5 and 12.5 inches in diameter the depth can be determined using a table in, NE-101; these areas will be greater than 125 mils in depth. The acceptance criteria for the coating maintenance plan is local recoating of areas with general corrosion that exhibit greater than 25 mils plate thickness loss, spot recoating of localized corrosion greater than 50 mils deep, and recoating of plates with greater than 25 percent coating depletion. The following components failed to meet one or more of the new criteria. Plates or components that are equal to the acceptance criteria have also been added to the list.

loor plates	Wall Plates
1-FP-01A: 25% loss of coating and 25 mils general metal loss	1-WP-04A: 1 localized area with a dept
1-FP-02A: 50% loss of coating	of 52.7 mils (recoated)
1-FP-03A: 45% loss of coating	1-WP-06A: 25.6% loss of coating
1-FP-04A: 35% loss of coating and 35 mils general metal loss	1-WP-08A: 27% loss of coating
1-FP-05A: 30% loss of coating	1-WP-06B: 30 mils general metal loss
1-FP-06A: 52% loss of coating	1-WP-07B: 30 mils general metal loss
1-FP-07A: 45% loss of coating	
1-FP-08A: 25% loss of coating	<u>Downcomers</u>
1-FP-09A: 42% loss of coating	1-DC-02: 30% loss of coating
1-FP-10A: 27% loss of coating	1-DC-45: 30% loss of coating
1-FP-01B: 25 mils general metal loss and 1 localized area with a depth of	1-DC-50: 25% loss of coating
102.5 mils (spot recoated)	1-DC-51: 25% loss of coating
1-FP-01C: 1 localized area with a depth of 57.7 mils (spot recoated)	1-DC-52: 45% loss of coating
1-FP-04C: 32% loss of coating	1-DC-57: 25% loss of coating
1-FP-05C: 25% loss of coating and random localized areas with a max depth	1-DC-58: 25% loss of coating
of 55 mils (not recoated)	1-DC-62: 30% loss of coating
1-FP-06C: 1 localized area with a depth of 61.3 mils (spot recoated)	1-DC-66: 25% loss of coating
1-FP-07C: localized areas with a max depth of 55 mils (not recoated)	1-DC-67: 30% loss of coating
I-FP-02D: 33% loss of coating	1-DC-75: 25% loss of coating
1-FP-03D: 2 localized areas with a max depth of 57.7 mils (spot recoated)	1-DC-76: 25% loss of coating
1-FP-04D: 50% loss of coating	1-DC-81: 30% loss of coating
1-FP-05D: 32% loss of coating and 8 localized area with a max depth of 50	1-DC-82: 30% loss of coating
mils (spot recoated)	1-DC-87: 30% loss of coating
1-FP-06D: 8 localized areas with a max depth of 59 mils (spot recoated)	
1-FP-07D: 29 local areas with a max depth of 67.7 mils (not recoated)	
1-FP-11D: 52% loss of coating	

The Coating Maintenance Plan inspections identified degradation in the inaccessible areas. Procedure ER-AA-330-007 was used to evaluate the condition. The procedure requires an evaluation in accordance with 10CFR50.55a shall be performed to determine the acceptability of the degradation in the inaccessible locations. This evaluation was performed under IR 1364843-A04 and is attached below.

DOCUMENT NO.: IR# 1364843-04

TITLE: Evaluation of Degradation in Unit 1 Suppression Pool Inaccessible Areas

PREFACE:

This Technical Evaluation is performed in accordance with CC-AA-309-101, Rev. 13. The Limerick Suppression Pool is safety related; therefore, an Independent Review will be performed. A Pre-Job Brief and Technical Task Risk/Rigor Assessment was performed for this evaluation in accordance with HU-AA-1212, Rev. 4. This review identified a Risk Rank of 3 (independent review by off-site specialist), based on a "Medium" Consequence Risk Factor and a "High" Probability of Error. A review of the Design Attribute Review (DAR), CC-AA-102, Rev. 23, Attachment 1 was performed, which verified that no design considerations and impacts were identified.

REASON FOR EVALUATION / SCOPE

During the Li1R14 refueling outage, an inspection was performed of the submerged portion of the suppression pool. This inspection was performed per the Coating Maintenance Plan. The ISI inspection of the submerged portion of the suppression pool (ASME Section XI (reference 1) Category E-A Item E1.12 "Wetted Surfaces of Submerged Areas") will be completed during the third period of the second interval for Containment ISI (1R15 or 1R16).

The inspection performed for the Coating Maintenance Plan identified degradation in inaccessible areas of the liner plates. The areas are classified inaccessible because the visual inspection cannot meet the inspection angles due to other components obstructing the view or other components were too close to the surface indication. These areas are behind the RHR and Core Spray Suction Strainers, under the RHR Suction Strainers, and around other structural components.

Since the Coating Maintenance Plan inspections identified degradation in the inaccessible areas, procedure ER-AA-330-007 (reference 2) was used to evaluate the condition. The procedure requires an evaluation in accordance with 10CFR50.55a shall be performed to determine the acceptability of the degradation in the inaccessible locations. 10CFR50.55a (reference 3) requires the following items be addressed:

- 1. Description of the type and estimated extent of the degradation, and the conditions that led to the degradation.
- 2. Evaluation of each area and the results of each evaluation.
- 3. Description of the necessary corrective actions.

This evaluation will perform the 10CFR50.55a evaluation for the degradation identified in the inaccessible areas of the submerged portion of the Limerick Unit 1 Suppression Pool.

DETAILED EVALUATION

The suppression pool is designed to have a metal liner that is supported by concrete. The liner is designed as a membrane pressure barrier. The liner function is to increase the containment integrity with regard to the ability to retain gasses and water within the containment during normal and accident conditions. A protective coating was sprayed on the liner to protect the liner from corrosion. The suppression pool liner is 1/4-inch (250 mils) carbon steel that is coated with a porous zinc coating.

The zinc coating protects the metal surface because the zinc preferentially sacrifices itself to the corrosion. As the zinc corrodes, the amount of protection of the metal surface decreases, and once the zinc is depleted, the protection stops. A number of locations in the Limerick Suppression Pool have depleted the zinc coating. With the loss of the protective coating, some areas have started to corrode.

An evaluation of the corrosion of the Limerick Suppression Pool was performed by Structural Integrity Associates, titled "Corrosion Evaluation of the Limerick Mark II Containment (reference 4). This evaluation determined the corrosion occurring in the Limerick Suppression Pool is general corrosion (rust). This corrosion can be general over a large area or localized (pitting) over a smaller area.

The inspection of the submerged portion of the suppression pool is performed by qualified divers. These inspectors perform a general visual (VT-3) inspection of the liner to identify areas of degradation. The inspectors then perform a detailed visual (VT-1) inspection of the degraded areas to determine the metal loss of the degraded areas. To perform a VT-1 inspection the angle must be greater than 30-degrees from the plane of the component being inspected per ER-AA-335-014, VT-1 Visual Inspections (reference 5). Additionally, the VT-1 inspection uses depth gages to measure the metal loss on the plates. Procedure ER-AA-335-018, Visual Examination of ASME IWE Class MC and Metallic Liners of CC Components (reference 6), describes these inspections. The results of the inspections are compared to the owner defined pre-established acceptance criteria.

The Limerick acceptance criteria are contained in the Limerick Specification NE-101 (reference 7). The general corrosion allowance before requiring a metal repair is:

- General metal loss over a large area (with a diameter greater than 12.5 inches) greater than 125 mils.
- Localized metal loss (diameter less than or equal to 2.5 inches) greater than 187.5 mils.

During the 1R14 inspection of the suppression pool liner plates, a number of areas were identified to have corrosion but qualified VT-1 inspections could not be performed due to the angle of inspection. Procedure ER-AA-330-007 requires an evaluation in accordance with 10CFR50.55a(b)(2)(ix)(A) shall be performed to determine the acceptability of the degradation in these inaccessible locations.

10CFR50.55a(b)(2)(ix)(A)

For Class MC applications, the licensee shall evaluate the acceptability of inaccessible areas when conditions exist in accessible areas that could indicate the presence of or result in degradation to such inaccessible areas. For each inaccessible area identified, the licensee shall provide the following in the ISI Summary Report as required by IWA-6000:

- 1. A description of the type and estimated extent of degradation, and the conditions that led to the degradation
- 2. An evaluation of each area, and the result of the evaluation, and
- 3. A description of necessary corrective actions

Description of Degradation

Corrosion identified in the suppression pool is general area corrosion, spot corrosion, localized general corrosion, and tiger striping.

- **General Corrosion:** Also known as "uniform corrosion". This term refers to corrosion that completely covers a surface of more than several square inches. Metal loss is generally uniform across the exposed area and typically does not involve much section loss.
- Spot Corrosion: Spot corrosion is simply general corrosion that presents itself as localized "spots" of
 exposed substrate on a coated surface. Spots are generally less than a few square inches each but
 may be up to several square inches. Metal loss is generally uniform across each exposed area and
 typically does not involve much section loss. Spot corrosion should not be confused with pitting
 corrosion.
- Localized General Corrosion (Pitting): Pitting is defined as localized corrosion with an accelerated metal loss rate. Pits present themselves as small, localized cavities in the metal surface. Pitting tends to progress rapidly through the plane of the metal rather than spread along its surface. Pits can be found individually or in large groups.
- Tiger Striping: Relative to coatings in immersion service, tiger striping is a condition unique to inorganic zinc-rich coatings. It is a coating condition that is found on vertical surfaces, typically in stagnant, underwater conditions. In the early stage, it appears in alternating vertical light and dark stripes within the coating itself. The light stripe usually acts as the cathode and the dark stripe as the anode. Over time, zinc in the anodic areas is depleted/consumed giving way to corrosion of the substrate. It is essentially general corrosion in dense vertically aligned corrosion nodules. Like general corrosion, associated metal loss is typically minor.

Evaluation by Area

The corrosion rates of the Limerick Unit 1 Suppression Pool have been very low. This is due to the inert atmosphere of the suppression pool during plant operations and the water quality of the suppression pool. The corrosion of the submerged portion of the suppression pool liner is being trended by the establishment of several corrosion evaluation grids. Inspections of these areas were performed during outages in 1996 and 2004 for Limerick Unit 1. The data obtained from these inspections suggests that the liner metal with no coating is experiencing an average general corrosion rate of approximately 1 to 2 mils per year. This data was obtained during underwater suppression pool liner inspections using depth gauges, including compensation for remaining coating thickness on surfaces adjoining the grid areas with material loss (reference 8).

The inspectors identified degradation in the inaccessible areas behind several obstructions during the 1R14 inspection. The inspectors performed an unqualified observation of the degraded areas in the inaccessible areas because the inspection angle was less than the 30 degree angle required by station procedures. Although the inspection was unqualified the inspectors were able to perform an assessment of the condition of the degradation in the inaccessible areas. The inspectors concluded the conditions in the inaccessible areas could be considered visually consistent with conditions reported for adjacent accessible areas (reference 9).

The following is a list of the inaccessible areas, the type of corrosion identified, a description of the corrosion adjacent to the inaccessible areas, and the area of the plates. This information was obtained from the 1R14 inspection report (reference 10) and Limerick drawing C-0281 (reference 11).

Behind 1A Core Spray Suction Strainer (1A1-F214)

Affected Plate:	1-WP-09A-4 (331.2" X 96")
Obstructed Area:	22" X 66"
Percent Obstructed:	4.57% of plate 1-WP-09A-4 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-09A-4 identified random tiger striping affecting approximately 10% of the plate with a metal loss of less than 8 mils.

Affected Plate:	1-WP-09B-4 (340.8" X 96")
Obstructed Area:	75" X 30"
Percent Obstructed:	6.88% of plate 1-WP-09B-4 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-09B-4 identified random tiger striping affecting approximately 8% of the plate with a metal loss of less than 12 mils.

Behind 1B Core Spray Suction Strainer (1B1-F214)

	,
Affected Plate:	1-WP-03A-1 (331.2" X 96")
Obstructed Area:	66" X 38"
Percent Obstructed:	7.89% of plate 1-WP-03A-1 is obstructed
Type of Corrosion:	General Corrosion and Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-03A-1 identified:
	 General corrosion affecting 5% of the plate with a metal loss of less than 5 mils.
·	 Tiger striping was identified in two areas 16.3% of the plate has dense tiger striping affecting 80% of
	the area with a metal loss of less than 25 mils. 7.25% of the plate has dense tiger striping affecting 40% of the area with a metal loss of less than 20 mils.

Affected Plate:	1-WP-02B-1 (331.2" X 96")
Obstructed Area:	54" X 36" (1B1-F214) and 54" X 36" (1D1-F214)
Percent Obstructed:	12.22% of plate 1-WP-02B-1 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-02B-1 identified random tiger striping affecting approximately 20% of the plate with a metal loss of less than 15 mils.

Behind 1C Core Spray Suction Strainer (1C1-F214)

Affected Plate:	1-WP-10A-4 (331.2" X 96")
Obstructed Area:	22" X 66"
Percent Obstructed:	4.57% of plate 1-WP-10A-4 is obstructed
Type of Corrosion:	Tiger Striping and General Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-10A-4 identified:
	General corrosion affecting 5% of the plate with a metal loss of less than 4 mils.
	The plate has random tiger striping affecting 10% of the area with a metal loss of less than 6 mils.

Affected Plate:	1-WP-10B-4 (331.2" X 96")	
Obstructed Area:	75" X 30"	
Percent Obstructed:	7.08% of plate 1-WP-10B-4 is obstructed	
Type of Corrosion:	Tiger Striping	general de la companya del companya della companya della companya de la companya de la companya de la companya della companya
Extent of Corrosion:	The inspection of the accessible areas of p	late 1-WP-10B-4 identified
	random tiger striping affecting approximate	ly 5% of the plate with a metal
	loss of less than 3 mils.	

Behind 1D Core Spray Suction Strainer (1D1-F214)

Affected Plate:	1-WP-02A-1 (313.2" X 96")
Obstructed Area:	60" X 100"
Percent Obstructed:	19.96% of plate 1-WP-02A-1 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-02A-1 identified random tiger striping affecting approximately 15% of the plate with a metal loss of less than 5 mils.

Affected Plate:	1-WP-01B-1 (321.6" X 96")
Obstructed Area:	54" X 36" (1D1-F214)
Percent Obstructed:	6.30% of plate 1-WP-01B-1 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-01B-1 identified: • 22.38% of the plate has dense tiger striping affecting 33% of the area with a metal loss less than 5 mils
- R - R 	 77.11% of the plate has random tiger striping affecting approximately 16% of the area with a metal loss of less than 5 mils.

Behind 1A RHR Suction Strainer (1A1-F211 and 1A2-F211)

Affected Plate:	1-WP-07A-3 (331.2" X 96")	
Obstructed Area:	The entire plate was classified as inaccessible. Both the 1A and 1C Suction Strainers are located on this wall plate. The wall plate closest to the 1A suction strainers is 1-WP-08A-3	
Percent Obstructed:	100% of plate 1-WP-07A-3 is obstructed	
Type of Corrosion:	Tiger Striping	
Extent of Corrosion:	The inspection of plate 1-WP-08A-3 (100% accessible) identified minor tiger striping affecting approximately 30% of the plate with a metal loss of less than 20 mils. There are no inaccessible areas on plate 1-WP-08A-3.	

Affected Plate:	1-WP-07B-3 (378" X 96")
Obstructed Area:	40" X 56"
Percent Obstructed:	6.17% of plate 1-WP-07B-3 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-07B-3 identified dense tiger striping affecting approximately 30% of the plate with a metal loss of less than 30 mils.

Affected Plate:	1-FP-10C-3 (Area 13896 square inches)
Obstructed Area:	38" X 34" (1A1-F211) and 38" X 30" (1A2-F211)
Percent Obstructed:	17.5% of plate 1-FP-10C-3 is obstructed
Type of Corrosion:	Spot Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-FP-10C-3 identified two areas of spot corrosion: 1.04% of the plate is affected at a rate of 20 per square foot with a metal loss of less than 5 mils. 1.04% of the plate is affected at a rate of 10 per square foot with a metal loss of less than 5 mils.

Behind 1B RHR Suction Strainer (1B1-F211 and 1B2-F211)

Affected Plate:	1-WP-05A-2 (331.2" X 96")
Obstructed Area:	240" X 96" Both the 1B and 1D Suction Strainers are located on this wall plate. The accessible area of 1-WP-05A-2 is closer to the 1B RHR Suction Strainer so the condition of this plate will be evaluated.
Percent Obstructed:	72.46% of plate 1-WP-05A-2 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-05A-2 identified random tiger striping affecting approximately 20% of the plate with a metal loss of less than 10 mils.

Affected Plate:	1-WP-04B-2 (340.8" X 96")
Obstructed Area:	24" X 24"
Percent Obstructed:	1.76% of plate 1-WP-04B-2 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-04B-2 identified random tiger striping affecting approximately 10% of the plate with a metal loss of less than 15 mils.

Affected Plate:	1-WP-05B-2 (321.6" X 96")
Obstructed Area:	40" X 85" One of the 1B RHR Suction Strainers and both the 1D RHR Suction Strainers are located on this wall plate.
Percent Obstructed:	11.01% of plate 1-WP-05B-2 is obstructed.
Type of Corrosion:	Tiger Striping and Localized General Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-05B-2 identified two areas of corrosion: 100% of the plate has random tiger striping affecting 10% of the area with a metal loss of less than 5 mils. 100% of the plate is affected by localized general corrosion at a rate of 2 per square foot with a metal loss of less than 25 mils.

Affected Plate:	1-FP-10B-2 (Area 13896 square inches)
Obstructed Area:	30" X 38" (1B1-F211) and 34" X 25" (1B2-F211)
Percent Obstructed:	14.32% of plate 1-FP-10B-2 is obstructed
Type of Corrosion:	Localized General Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-FP-10B-2 identified random localized general corrosion affecting 21.36% of the plate at a rate of 25 per square foot with a metal loss of less than 25 mils.

Behind 1C RHR Suction Strainer (1C1-F211 and 1C2-F211)

Delinia 10 Lilli Gactio	on Suamer (101-rz); and 102-rz);
Affected Plate:	1-WP-07A-3 (331.2" X 96")
Obstructed Area:	The entire plate was classified as inaccessible. Both the 1A and 1C
	Suction Strainers are located on this wall plate. The wall plate closest
	to the 1C RHR Suction Strainers is 1-WP-06A-2
Percent Obstructed:	100% of plate 1-WP-07A-3 is obstructed
Type of Corrosion:	Tiger Striping and Spot Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-06A-2 (91%
	accessible) identified four areas of corrosion:
-	 9.44% of the plate has dense tiger striping affecting 80% of
	the area with a metal loss of less than 20 mils.
	 90.56% of the plate has random tiger striping affecting 20% of
	the area with a metal loss of less than 20 mils.
	 2.83% of the plate is affected by spot corrosion at a rate of 10
	per square foot with a metal loss of less than 20 mils.
,	 90.56% of the plate is affected by spot corrosion at a rate of 1
	per square foot with a metal loss of less than 20 mils.

Affected Plate:	1-WP-06B-3 (276" X 96")
Obstructed Area:	40" X 56"
Percent Obstructed:	8.45% of plate 1-WP-06B-3 is obstructed
Type of Corrosion:	Tiger Striping
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-06B-3 identified minor tiger striping affecting approximately 20% of the plate with a metal loss of less than 30 mils.

Affected Plate:	1-FP-09C-3 (Area 23356.8 square inches)
Obstructed Area:	38" X 34" (1C1-F211) and 38" X 30" (1C2-F211)
Percent Obstructed:	10.41% of plate 1-FP-09C-3 is obstructed
Type of Corrosion:	Spot Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-FP-09C-3 identified two areas of corrosion: 19.73% of the plate is affected by spot corrosion at a rate of 3 per square foot with a metal loss of less than 5 mils. 15 areas of spot corrosion were identified on the plate with a metal loss of less than 5 mils.

Behind 1D RHR Suction Strainer (1D1-F211 and 1D2-F211)

Benind 19 Ann Suction Strainer (191-1211 and 192-1211)		
Affected Plate:	1-WP-05A-2 (331.2" X 96")	
Obstructed Area:	240" X 96" Both the 1B and 1D RHR Suction Strainers are located on this	
	wall plate. The accessible area of 1-WP-05A-2 is closer to the 1B RHR	
	Suction Strainer so the condition of the 1-WP-06A-2 will be evaluated.	
Percent Obstructed:	100% of plate 1-WP-05A-2 is obstructed	
Type of Corrosion:	Tiger Striping and Spot Corrosion	
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-06A-2 (91%	
•	accessible) identified four areas of corrosion:	
	 9.44% of the plate has dense tiger striping affecting 80% of 	
	the area with a metal loss of less than 20 mils.	
	 90.56% of the plate has random tiger striping affecting 20% of 	
	the area with a metal loss of less than 20 mils.	
	 2.83% of the plate is affected by spot corrosion at a rate of 10 	
	per square foot with a metal loss of less than 20 mils.	
• •	 90.56% of the plate is affected by spot corrosion at a rate of 1 	
· · · · · · · · · · · · · · · · · · ·	per square foot with a metal loss of less than 20 mils.	

Affected Plate:	1-WP-05B-2 (321.6" X 96")
Obstructed Area:	40" X 85" One of the 1B RHR Suction Strainers and both the 1D RHR Suction Strainers are located on this wall plate.
Percent Obstructed:	11.01% of plate 1-WP-05B-2 is obstructed.
Type of Corrosion:	Tiger Striping and Localized General Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-WP-05B-2 identified two areas of corrosion:
	 100% of the plate has random tiger striping affecting 10% of the area with a metal loss of less than 5 mils.
	 100% of the plate is affected by localized general corrosion at a rate of 2 per square foot with a metal loss of less than 25 mils.

Affected Plate:	1-FP-09B-2 (Area 23356.8 square inches)
Obstructed Area:	38" X 34" (1D1-F211) and 38" X 30" (1D2-F211)
Percent Obstructed:	10.41% of plate 1-FP-09B-2 is obstructed
Type of Corrosion:	Localized General Corrosion
Extent of Corrosion:	The inspection of the accessible areas of plate 1-FP-09B-2 identified localized general corrosion affecting approximately 21.85% at a rate of 35 per square foot with a metal loss of less than 20 mils.

Several other areas were not inspected due to the storage of the vacuum filters and structure. Assignment IR 1364843-06 was generated to develop plans to inspect these areas during the next suppression pool inspection.

Corrective Actions

The station is implementing two corrective actions:

Action 1 - Develop a method to perform remote inspections of the inaccessible areas.

This action is to develop a method to perform remote inspections of the inaccessible areas around the ECCS suction strainers. If a method can be developed the area will no longer be inaccessible. The degradation will be monitored as all the accessible areas and the requirements of Limerick Specification NE-101 will be followed.

Action 2 - Remove the suction strainers to perform inspections and recoat as required.

If a remote inspection of the inaccessible areas cannot be performed, the station will remove two suction strainers each outage to make the inaccessible areas accessible. The selection of the suction strainers for removal will be based on the condition of the accessible areas around the suction strainers. If adverse conditions are identified during the inspection of the inaccessible areas, the inspection scope will expanded to the other suction strainers. When a suction strainer is removed, the degraded areas will be inspected to determine the extent of the corrosion. After the areas are inspected, the areas will be recoated to stop the corrosion.

CONCLUSIONS / FINDINGS

The visual examinations performed on the Suppression Chamber liner surfaces were performed in accordance with the requirements of the Coatings Maintenance Plan. As such, areas that could not be viewed at an angle greater than 30-deg from the plane of the component being inspected (e.g., behind and/or around ECCS strainer components) were documented as 'Inaccessible Areas.' No condition assessment was documented on the examination records since adequate visual access for a qualified VT-1 Inspection could not be achieved in these areas. In general, based on interviews with various inspectors, conditions in these "Inaccessible Areas" could be considered visually consistent with conditions reported for adjacent accessible areas.

The review of the accessible areas adjacent to the inaccessible areas found the deepest wall loss was 30 mils and the deepest floor loss was 25 mils. Limerick Specification NE-101 determined the liner is acceptable with a defect in a localized area less than or equal to 187.5 mils and a metal loss in a general area of less than or equal to 125 mils. Due to the water quality and the inert atmosphere during plant operations the corrosion rate of the Limerick Unit 1 Suppression Pool is very low.

The areas adjacent to the inaccessible areas had corrosion significantly less than the 187.5 mils (localized corrosion) and 125 mils (general corrosion). With the low corrosion rate continued operation with the corrosion in the inaccessible areas is acceptable. During the next refuel outage (1R15) the corrective actions will be implemented to either remotely inspect the inaccessible areas or remove two suction strainers to inspect and recoat the degraded areas.

REFERENCES:

- 1. ASME Section XI 2001 Edition with the 2003 Addenda
- 2. ER-AA-330-007, Visual Examination of Section XI Class MC Surfaces and Class CC Liners, Revision 8
- 3. 10CFR50.55a, Codes and standards, Revision April 12, 2012
- 4. Structural Integrity Associates Report 1101502.401, Corrosion Evaluation of the Limerick Mark II Containment, Revision 0 (IR 1364843-07)
- 5. ER-AA-335-014, VT-1 Visual Examination, Revision 6
- 6. ER-AA-335-018, Visual Examination of ASME Class MC And CC Containment Surfaces And Components, Revision 7
- 7. Limerick Specification NE-101, Coating And Liner Inspection/Coating Repair of Suppression Chambers, Revision 5
- 8. RAI B.2.1.30-4, Request for Additional Information, Explanation Of Containment Liner Thickness Will Meet The Engineering Acceptance Criteria For Structural Integrity, Dated February 28, 2012 (IR 1364843-08)
- 9. Email from M. Marquis (UCC) to G. Budock, Subject: Unit 1 Suppression Pool Inaccessible Areas, Dated March 11, 2012. (IR 1364843-09)

- 10. 1R14 Limerick 1 Suppression Pool Inspection Records, Examination Records Transmittal Date March 7, 2012
- 11. C-0281, React Bldg Liner Plate Req. Floor Plan & Details # 1, 2, Revision 12

ATTACHMENTS:

None

PREPARER: G. Budock

Date: 6/6/12

Independent Reviewer Comments:

I have performed an Independent Review of this technical evaluation per CC-AA-309-101. I have reviewed the reference documents and agree with the inputs. I understand the 10CFR50.55a requirements for evaluating inaccessible areas of the suppression pool and I am qualified per N-AN-ENG-CERT-PG04 (ISI/CISI/Component Support). The outputs, conclusions, and corrective actions are reasonable and well supported by the inspection results from 1R14. Minor comments were made and have been incorporated.

INDEPENDENT REVIEWER: M. Karasek

Date: 6/11/12

independent Reviewer by Off-Site Specialist Comments:

I have reviewed this technical evaluation and verified the accuracy of the inputs and compliance with the references. Corrective actions are appropriate for the conclusions/findings. Comments have been satisfactorily incorporated.

INDEPENDENT REVIEW BY OFF-SITE SPECIALIST: M. Miller

Date: 6/12/12

APPROVER: M. DiRado

Date: 6/15/12

Section 3: Summary of ASME Section XI Repairs and Replacements

SYSTEM 011

EMERGENCY SERVICE WATER

R1045065 C0232650	1B-V208 Replace ESW cooler inlet & outlet spool piece (HBC-140 and HBC-149)
C0208398	011-0031B & 0032B Replaced 6" ESW gate valve, check valve and adjacent pipe
C0226201	011-0039, 011-0040 and 011-0063 Replaced ESW valves and adjacent piping
C0234294	011-0089 Replaced 4" Check valve and adjacent piping
C0230914	011-1007 Replace 8" check valve
R1160234	011-1009 Replaced 8" check valve disc
R1074753 Supply	1A-V208 Replaced 2" HBC-140 ESW supply piping to HPCI cooler 1A-V208
R1074753 Return	1A-V208 Replaced 2" HBC-149 ESW return piping from HPCI cooler 1A-V208
C0239201	HBC-082-1 Repaired 6" ESW pipe base metal by welding
C0238642	HBC-083-001F Installed 2" ESW drain via the hot tap process
C0241808	HBC-084-H001 Rework pipe support to spec P-319 tolerance
C0240743	HBC-141-04 Repaired ESW HBC-141-04 weld 5134-413
C0241696	6" HBC-147-03 Installed reinforcing pad at 6" stub-in in accordance with design change
C0236810	6" HBC-143-03 Repaired ESW pin hole by base metal weld repair
C0236858	6" HBC-152-03 Replaced 6" ESW piping

SYSTEM 012

RHR SERVICE WATER

C0234456	0A-P506 Replaced RHR service water pump bowl and column assembly
R1178819	Replaced 6" flange studs and nuts on "A" Spray pond network piping
R1170268	Replaced 6" flange studs and nuts on "B" Spray pond network piping
R1178664	Replaced 6" flange studs and nuts on "C" Spray pond network piping
R1205761	Replaced 6" flange studs and nuts on "D" Spray pond network piping
C0238642 C0239018	HBC-091-H002 & H003 Removed and reinstalled 30" pipe supports for pipe replacement
C0234919	HBC-507-H003 Reworked pipe supports to comply with spec P-319 and design drawing

SYSYEM 041

MAIN STEAM ISOLATION VALVES

R1095890 R1050762	HV-041-1F022A Replace MSIV pneumatic control manifold
R0999683	HV-041-1F022B Rework MSIV for LLRT leakage. Replaced main poppet and stem / pilot poppet assembly
R1095889 R1050426	HV-041-1F022B Replace MSIV pneumatic control manifold
R0999693	HV-041-1F022C Rework MSIV for LLRT leakage. Replaced main poppet and stem / pilot poppet assembly.
R1095888 R1040626	HV-041-1F022C Replace MSIV pneumatic control manifold
R1095887 R1020406	HV-041-1F022D Replace MSIV pneumatic control manifold

SYSYEM 041

MAIN STEAM RELIEF VALVES

C0239796	PSV-041-1F013D Replaced MSRV Body S/N 164 and pilot S/N 031 With reworked body S/N 169 and pilot S/N 030	
R1165544	PSV-041-1F013E Replaced MSRV Body S/N 185 and pilot S/N 004 With reworked body S/N 148 and pilot S/N 020	. ,
R1165538	PSV-041-1F013L Replaced MSRV Body S/N 186 and pilot S/N 044 With reworked body S/N 160 and pilot S/N 007	
R1165534	PSV-041-1F013M Replaced MSRV Body S/N 163 and pilot S/N 039 With reworked body S/N 164 and pilot S/N 023	
R1165535	PSV-041-1F013N Replaced MSRV Body S/N 183 and pilot S/N 028 With reworked body S/N 170 and pilot S/N 018	
C0239356	GBC-101-H141 Rework MSRV discharge support per ECR 09-00504	

SYSTEM 043

REACTOR RECIRCULATION

R1162430	1B-P201 Replaced reactor recirculation pump mechanical seal
C0242098	DCA-177-E01-H007 Reset 2" pipe support spring can
C0242064	DCA-185-E01-H001 Reset 2" pipe support spring can
C0242063	DCA-185-E01-H005 Reset 2" pipe support spring can
C0239368	1A /1B-P201-DR Recirc motor interference removals — Add flanges to 2" HBC-191-E4 & E5 RECW cooling water & hanger rework — ECR 09- 00504

SYSTEM 044

REACTOR WATER CLEANUP

C0238886	4" DBB-105-1 Replaced 4" RWCU carbon steel pipe flow accelerated erosion
C0242131	DCA-101-H003 Reset RWCU spring cans for out of tolerance VT-3 exam

SYSTEM 047

CONTROL ROD DRIVES

R1170009	1R14 CRD Exchange and flange cap screw replacement Replaced control rod drives: 10-15, 10-47, 14-43, 18-35, 18-51, 18-55, 22-19, 26-03, 26-11, 26-35, 34-35, 34-47, 38-07, 42-47, 42-55, 46-11, 50-47, 54-19, 58-19,
R1170009	Replaced bolting on 50-15 and 54-31
C0242085	XV-047-1F181 Replaced 2" CRD globe valve stem & plug assembly

SYSTEM 048

STAND-BY LIQUID CONTROL

R1031339	XV-048-1F004B	Replace squib assembly after ST firing	
R1017630	XV-048-1F004C	Replace squib assembly after ST firing	

SYSTEM 049

RCIC

R0936302	049-1F011 Replace disc on 6" check valve
C0242025	HV-049-1F008 Replaced 3" globe valve disc and stem
C0242031	HV-049-1F080 Rework 3" MO Gate valve for failed LLRT – Replace wedge and weld build up the inside slot of the wedge
C0242264	HV-049-1F080 Cut-out and rotated 3" gate valveHV-049-1F080 from horizontal to vertical position. Replaced pipe support components to access pipe welds

SYSTEM 050

RCIC PUMP & TURBINE

R1100958	PSE-050-1D001 Replaced RCIC rupture disc and disc holder
R1100959	PSE-050-1D002 Replaced RCIC rupture disc and disc holder

SYSTEM 051

RESIDUAL HEAT REMOVAL

C0239328	HV-051-1F024A Replaced 18" globe valve disc and seal weld disc to disc nut
C0223231	HV-C-051-1F048A 18" GBB Butt welds & secure taper pins
C0228915	HV-051-1F068A Replace 20" RHRSW globe valve

SYSTEM 055

HPCI

C0239737	HV-055-1F006 Replaced 12" Velan gate valve wedge
C0238710	FV-056-111 Replaced steam chest studs on HPCI turbine control valve

SYSTEM 090

CONTROL ROOM CHILLERS

R1169278	08-K112 Repaired control root	n chiller condenser by weld build-up repair
H1109276	OD-INTIZ Trepaired Control Tool	it crimer concenser by weld build-up repair

SYSTEM 092

DIESEL GENENATORS

C0223987	1A-P569 Replaced diesel generator engine driven air coolant pump
R1166042	XJ-011-101A Replaced Diesel generator ESW expansion joint

SYSTEM 103

SNUBBERS

C0238616	Rebuild and test snubbers
C0238616	Rebuild and test snubbers
A1754288 A1776181 A1776176	Snubber replacement – Lines DBD-105, JCD-111-E48, and JBD-361
A1776176	Snubber replacement – Lines XRE-1XH and JBD-361
A1776176 A1776182	Snubber replacement – Lines XRE-1XH and DCA-310
A1776181	Snubber replacement - Lines HBD-186, HBC-101, and DBA-106
A1776181	Snubber replacement – Lines DCA-318 and DCA-105-E01
A1776182 A1776181	Snubber replacement – Lines DCA-151-J01 and DCA-308-J01
A1776182 A1776181	Snubber replacement – Lines EBB-109 and SBD-143-E01
A1776351	Snubber replacement – Line STG-1MS
A1846577	Snubber replacement – Lines DCA-104 and GBB-118

ISI Summary Report Limerick Generating Station Unit 1

Refueling Outage: 1R14

Commercial Service Date: February 1, 1986

Examination Dates April 13, 2010 to March 22, 2012

Owner: Exelon Generating Company, LLC

200 Exelon Way

Kennett Square, PA 19348

Plant: Limerick Generating Station

3146 Sanatoga Road Pottstown, PA 19464

Part 2

1. Owner		eration Company, I	тс	Date _		August 3, 2011		
	200 Exelon	Way, Kennett Squadress	are, PA 1934	8 Sheet	1of	3		
2. Plant		nerating Station		Unit				
	3146 Sanatoga Road, Pottstown PA 19464 Address					R1045065 & C02326		
3. Work Performed by <u>Exelon Nuclear</u> Name				Type C	Repair Organization P.O. No., Job No. etc. Type Code Symbol StampN/A Authorization NoN/A			
		oga Road, Pottstow dress	n PA 19464	•	-,	N/A		
4. Identification of Sy	4. Identification of System: Emergency Service Water (System 011) Line No. HBC-140 & HBC-149 Unit Cooler 1B-V208							
5. (a) Applicable Construction Code ASME III 19.74 Edition, Winter 1974 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) 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)	
HBC-140-E1 (3) Feet 2" NPS pipe	United States Steel	Heat No. F50226	N/A	* 114-90045 PO# 009825- 4530	N/A	Installed	No	
HBC-140-E1 (1) 3" NPS W.N. Flange	Western Forge & Flange	Heat No. A093122 Heat Code GLB-B-1	N/A	* 114-91439 PO# 009825- 4829	N/A	Installed	No	
HBC-140-E1 (1) 3" x 2" Eccentric Reducer	Taylor Forge	Heat Code MTVV-1	N/A	* 114-61210 PO# 044911	N/A	installed	No	
HBC-140-E1 (1) 2" Socket Weld Flange	Western Forge & Flange	Heat No. A090309 Heat Code FVV-A-3	N/A	* 114-90527 PO# 009825- 4534	N/A	Installed	No	
* Traceability per Exe	lon stock code	number.					············	
7. Description of work8. Tests conducted:	Hydrostatic [Nominal (Operating Pressure				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 FORM NIS-2

		•				
1.	Owner	Exelon Generation Company, LLC	Date		August 3,	2011
		Name				
		200 Exelon Way, Kennett Square, PA 19348	Sheet	2of	3	
		Address				
2.	Plant		Unit		1_	
		Name			•	
		3146 Sanatoga Road, Pottstown PA 19464	W	ork Order	No. R104506	5 & C0232650
		Address	Re	epair Orga	anization P.O.	No., Job No. etc.
3.	Work Performed by	Exelon Nuclear	Type Code	Symbol S	Stamp	N/A
	•	Name				
	·	3146 Sanatoga Road, Pottstown PA 19464 Address	Expiration D	Date		N/A
4.	Identification of Sys	tem: Emergency Service Water (System 011)	Line No. HE	3C-140 &	HBC-149	Unit Cooler 1B-V208
5.	(d) Applicable Ed	estruction Code <u>ASME III</u> 19 <u>74</u> Edition of Section XI Utilized for Repairs or Replacements ction XI Code Case(s) <u>None</u>				

6. Identification of Components

		<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)
HBC-140-E1 (2) 2" NPS Socket weld Elbow	Bonny Forge	Lot No. 76996	N/A	* 114-90818 PO# 009825- 4665	N/A	Installed	No
HBC-140-E1 (1) 2" x 2" x 3/4" Socket Weld Tee	Bonny Forge	Lot No. 77901	N/A	* 114-98248 PO# 009825- 4534	N/A	Installed	No
HBC-149-E1 (2) Feet 2" NPS pipe	Michigan Seamless Tube	Heat No. 1M35684	N/A	* 114-90045 PO# 009825- 2258	N/A	Installed	No
HBC-149-E1 (1) 3" NPS W.N. Flange	Western Forge & Flange	Heat No. A090309 Heat Code FVV-A-1	N/A	* 114-91439 PO# 009825- 4408	N/A	Installed	No
HBC-149-E1 (1) 3" x 2" Concentric Reducer	Taylor Forge	Heat Code MNID-1	N/A	* 114-98055 PO# 034866	N/A	Installed	No
HBC-149-E1 (1) 2" Socket Weld Flange	Western Forge & Flange	Heat No. A090309 Heat Code FVV-A-3	N/A	* 114-90527 PO# 009825- 4470	N/A	Installed	No
HBC-149-E1 (2) 2" NPS Socket Weld Elbow	Bonny Forge	Lot No. 77464	N/A	* 114-90818 PO# 009825- 4200	N/A	installed	No

^{*} Traceability per Exelon stock code number.

Ap	vas fabricated on work order C0232650, install plicable Manufacturer's Data Reports to be atta	iched
,		
	CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the rep	oort are correct and that this conforms to the rec	quirements of the ASME Code, Section XI.
Type Code Symbol StampNA		
Certificate of Authorization No		Expiration Date NA
Signed Owner or Owner's Designee, Title	J.H. Kramer (site weld administrator	
	CERTIFICATE OF INSERVICE INSPECTION	· · · · · · · · · · · · · · · · · · ·
the undersigned, holding a valid common or Province of	nission issued by the National Board of Boiler a _and employed byHSBCT	nd Pressure Vessel Inspectors and the State
Hartford,	and employed by HSBCT CT 4/20/10 to	have inspected the components described
to the best of my knowledge and belief, to Owner's Report in accordance with the re By signing this certificate neither the examinations and corrective measures de	the Owner has performed examinations and tall equirements of the ASME Code, Section XI. Inspector nor his employer makes any warrant escribed in this Owner's Report. Furthermore, reconal injury or property damage or a loss of any	y, expressed or implied, concerning the
Inspector's Signature	Commissions <u>M/3 i397</u> National Board	7 A, N, I PA 30 20 d, State, Province, and Endorsements
Date 29 NOVEMBER 20/		

1.	Owner	Exelon Gen Na	eration Company,	щс	Date	N	lay 19, 2011				
		200 Exelon Way, Kennett Square, PA 19348 Address				1(of3	 			
2.	Plant Limerick Generating Station			Unit	c	common					
3146 Sanatoga Road, Pottstown, PA 19464 Address				Work Order	Work Order C0208398 Repair Organization P.O. No., Job No. etc.						
3.	Work Performed to		ear me		Type Code : Authorizatio	Symbol Stamp n No	N/A N/A				
		3146 Sanato Add	ga Road, Pottstov ress	vn. PA 19464	Expiration D	ate	N/A				
5.	4. Identification of System Emergency Service Water (System 011) Line No. HBC-143-3 Valves 011-0031B and 011-0032B 5. (a) Applicable Construction Code ASME III 19.74 Edition, Winter 1974 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair / Replacement Activity 2001 with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A 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			
	6" Gate Valve 011-0031B	Velan	11669	N/A	* 114-47601 PO 029174	2010	Installed	Yes			
	6" Gate Valve 011-0031B	Velan	326	N/A	N/A	N/A	Removed	Yes			
6" Check Valve Velan 857643 N/A *			* 114-42268 PO LS225531	1985	Installed	Yes					
	5" Check Valve 011-0032B	Velan	372	N/A	N/A	N/A	Removed	Yes			
7.	* Traceability per Exelon stock code and purchase order number 7. Description of Work: Replaced emergency service water valves and adjacent piping 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 106 psi Test Temp. N/A °F.										

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

1.	Owner	Exelon Generation Company, LLC Name	Date	May 19, 2011
		200 Exelon Way, Kennett Square, PA 19: Address	348 Sheet2	of3
2.	Plant	Limerick Generating Station Name	Unit	1
	<u> </u>	3146 Sanatoga Road, Pottstown, PA 1946- Address		C0208398 anization P.O. No., Job No. etc.
3.	Work Performed by	/ Exelon Nuclear		
		Name	Authorization No	N/A
		3146 Sanatoga Road, Pottstown, PA 1946 Address	Expiration Date	N/A
4.	Identification of Sys	stem Emergency Service Water (System	n 011) Line No. HBC-143-3	Valves 011-0031B and 011-0032B
5.	(b) Applicable Ed	nstruction Code <u>ASME III</u> 19 <u>74</u> ition of Section XI Utilized for Repair / Replac ction XI Code Case(s) <u>N/A</u>		

6. Identification of Components

				<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
(1) Feet, 8" NPS Pipe	United States Steel	Heat No. X45737	N/A	* 114-90063 PO 009825-3501	N/A	installed	No
(2) Feet, 6" NPS Pipe	United States Steel	Heat No. U21214	N/A	114-90062 PO 009825-4655	N/A	Installed	No
(1) 8" NPS 90 Degree Elbow	Tube Forgings of America	Heat Code V559A	N/A	* 114-84044 PO 042537	N/A	Installed	No
6" X 8" NPS Eccentric Reducer	Tube Forgings of America	Heat Code 633ZNA	N/A	* 114-91597 PO 009825-3646	N/A	Installed	No
(1) 6" NPS 90 Degree Elbow	Tube Forgings of America	Heat Code T874C	N/A _	* 114-91554 PO 009825-3646	N/A	Installed	No
HBC-143-H17 (1) Ft. L4 x 4 x 1/2	Steel Dymanics	Heat No. JF 8226	N/A	* 114-92732 PO 001897-633	N/A	Installed	No
HBC-143-H17 (2) Ft. L3 x 3 x 3/8	Steel Dymanics	Heat No. JG 7203	N/A	* 114-92716 PO 001897-986	N/A	Installed	No
HBC-143-H17 1/4 " Shim Plate	NUCOR (Macsteel)	Heat No. B8Q6554	N/A	* 114-45779 PO 001897-968	N/A	Installed	No
HBC-143-H17 1/8 * Shim Plate	NUCOR (Phoenix Metals)	Heat No. \$85525-07	N/A	* 114-59486 PO 001897-989	N/A	Installed	No

Remarks: Manufacturers data reports are traceable by work order package. Applicable Manufacturer's Data Reports to be attached
Velan 6" check valve 011-0032B is constructed in accordance with ASME III, 1971 edition with addenda through winter 1972.
Velan 6" gate valve 011-0031B is constructed in accordance with ASME III, 1971 edition with addenda through summer 1973.
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date NA
Signed
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of have inspected the components described in this Owner's Report during the period 2/11/11 to 7//5/11 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 N3 13977 A.N.T. PA 30 20 National Board, State, Province, and Endorsements
Date20/

1. Owner	Exelon Gen	eration Company.	II C	Date	Oct	ober 22, 2010		
1. 04110.	Na.		<u> </u>	5		0001 62, 6010		
		Way, Kennett Squaress	are, PA 1934	8 · Sheet	(of <u>3</u>		
2. Plant		nerating Station me	,	Unit		common		
· · ·		ga Road, Pottstow ress	n, PA 19464	Work Order Re	pair Organizat	C0226201 ion P.O. No., Job No.	etc.	
3. Work Performed I	Work Performed by <u>Exelon Nuclear</u> Name				Symbol Stamp	N/A N/A		
		ga Road, Pottstow ress	m, PA 19464	Expiration D	ate	N/A	····	
4. Identification of S	ystem <u>Emergen</u>	cy Service Water	(System 01	1) Line No. H	3C-240	Valves 011-0039, 00	40 & 0063	
5. (a) Applicable Co (b) Applicable E	 Identification of System Emergency Service Water (System 011) Line No. HBC-240 Valves 011-0039, 0040 & 0063 (a) Applicable Construction Code ASME III 19.74 Edition, Winter 1974 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repair / Replacement Activity 2001 with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A 							
6. Identification of C	omponents			,				
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped	
2" Globe Valve 011-0040	43 BNA	FLOWSERVE	N/A ·	* 114-99233 PO 257797-651	2009	Installed	Yes	
2" Globe Valve 011-0040	WA 754	Rockwell	N/A	N/A	N/A	Removed	Yes	
3" Check Valve 011-0039	BH 879	FLOWSERVE	N/A ·	* 114-64574 PO 257797-696	2010	Installed	Yes	
3" Check Valve 011-0039	ET421-1-1	Anchor Darling	N/A	N/A	N/A	Removed	Yes	
3" Check Valve 011-0063	BC 753	FLOWSERVE	N/A	* 114-98327 PO 257797-434	2007	Installed	Yes	
3" Check Valve 011-0063	3N 1006	Anchor Darling	N/A	N/A	N/A	Removed	Yes	
* Traceability per Ex	elon stock code a	and purchase orde	rnumber					
7. Description of Wo	ork: Replaced en	nergency service v	vater valves ar	nd adjacent piping				
8. Tests conducted:	•	Pneumatic ressure 113 psi	•	erating Pressure N/A °F.	Exempt D			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

1.	Owner		Date		October 22.	2010	
		Name			•		
	_	200 Exelon Way. Kennett Square, PA 19348 Address	Sheet	2	of	3	<u> </u>
2.	Plant	Limerick Generating Station Name	Unit	- -	1	· · · · · · · · · · · · · · · · · · ·	
		3146 Sanatoga Road, Pottstown, PA 19464 Address	Work Order Repo	air Orga	C0226201 nization P.O. N	lo., Job No. etc.	
3	Work	Performed by Exelon Nuclear	Type Code Sy	mbol Si	amp	N/A	
٠.	******	Name	Authorization				
		3146 Sanatoga Road, Pottstown, PA 19464 Address	Expiration Date	te	,	N/A	
4.	Identif	ication of System Emergency Service Water (System 011)	Line No. HBC	2-240	Valves 0	11-0039, 0040 &	0063
5.	(b) A	pplicable Construction Code <u>ASME III</u> 19 <u>74</u> Editi Applicable Edition of Section XI Utilized for Repair / Replacement Ac Applicable Section XI Code Case(s) <u>N/A</u>					de Case

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
(4) Feet, 2" NPS Pipe	United States Steel	Heat No. F50226	N/A	* 114-90045 PO 009825-4530	N/A	Installed	No
3" x 3" x 2" NPS Tee	Taylor Forge	Heat Code MBGK-2	N/A	* 114-61211 PO 009825-3051	N/A	installed	No
3" X 2" NPS Concentric Reducer	Taylor Forge	Heat Code MNID-1	N/A	* 114-98055 PO 034666	N/A	Installed	No
3" X 2" NPS Concentric Reducer	Taylor Forge	Heat Code MSHD-5	N/A	* 114-00183 PO 038200	N/A	Installed	No
(2) 2" NPS Elbows	Bonney Forge	Heat Code 76996	N/A	* 114-90818 PO 009825-4534	N/A	Installed	No
HBC-240-E2-H15 Pipe Lugs	IPSCO	Heat No. E76065	N/A _.	* 114-37781 PO 038201	N/A	Installed	No
HBC-240-E2-H15 2" Pipe Restraint	Bergen Power	Heat No. JB9031	N/A	* 114-07276 PO 182789-78	N/A	Installed	No

Remarks : Manufacturers data reports are traceable by work order package. Applicable Manufacturer's Data Reports to be attached.	
Flowserve 3" check valves are constructed in accordance with ASME III. 1971 edition with addenge	la through summer 1971,
Flowserve 2" globe valve is constructed in accordance with ASME III, 1971 edition with addenda the	hrough summer 1975.
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements to the requirements. I certify that the statements made in the report are correct and that this conforms to the requirements. I certify that the statements made in the report are correct and that this conforms to the requirements.	rements of the ASME Code, Section XI.
Certificate of Authorization No. NA	Pro-landar Bata
Signed J. H. Kramer, Site weld administrator Date March 2	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Presor Province of Pennsylvania and employed by HSBCT Hartford, CT have in this Owner's Report during the period 8-17-10 to 9-9-10 to the best of my knowledge and belief, the Owner has performed examinations and taken cortowner'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, expresaminations and corrective measures described in this Owner's Report. Furthermore, neither shall be liable in any manner for any personal injury or property damage or a loss of any kind an inspection. Commissions PA 30 3/ National Board, State Date 3-3 20 11	of inspected the components described and state that rective measures described in this ressed or implied, concerning the the Inspector nor his employer rising from or connected with this

	·						
1. Owner	Exelon Gen Na	eration Company, me	пс	Date	Apr	25, 2011	
		Way, Kennett Squ ress	are. PA 1934	8_ Sheet	(of <u>2</u>	
2. Plant		nerating Station		Unit	Common	 	
·	3146 Sanato	oga Road, Pottstov ress	vn, PA 19464			er C0234294 ion P.O. No., Job No. e	ntc.
3. Work Performed		ear me		Type Code S Authorization	Symbol Stamp 1 No.	N/A N/A	
	3146 Sanato Add	oga Road, Pottstov ress	vn. PÅ 19464	Expiration Da	ate	N/A	
4. Identification of S	ystem <u>Emergen</u>	cy Service Water	(System 01	11) Line No. H	3C-245-05	Valve	011-0089
(b) Applicable E	onstruction Code Edition of Section Section XI Code C	XI Utilized for Rep	19 <u>74</u> Editior air / Replacem	n, Winter 1 vent Activity 20 <u>01 with</u>	974 Adden h addenda thr	da, <u>N/A</u> Co ough 2003	de Case
6. Identification of C	omponents			· · · · ·		** * 2	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped
4" Check Valve 011-0089	Anchor Darling	E-A120-1-3	N/A	* 114-80990 PO 040439	1987	Installed	Yes
4" Check Valve 011-0089	Anchor Darling	E-A121-3-1	N/A	N/A	N/A	Removed	Yes
(2) 4" NPS Weld Neck Flanges	Western Forge & Flange	Heat No. A070552 Code FKU-4	N/A	* 114-91440 PO 009825-4467	N/A	Installed	No
(1) 4" NPS Weld Neck Flange	Ideal Flanging	Heat Code S1249	N/A	* 114- 91440 PO 009825-	N/A	Installed	No

- Traceability per Exelon stock code and purchase order number	ær
--	----

Trace Code

4J26

Trace Code

OM07

Nova

Machine

Nova

Machine

(8) 5/8" Flange

Studs

(16) 5/8" Flange

7.	Description of Work	Replaced	emergency service v	ater flanged check valve and adi	acen	nt flanges.	
				Nominal Operating Pressure			
		Other 🗆	Pressure 103 ps	Test Temp. N/A °F.		·	•

N/A

N/A

* 114- 92558

PO 037999

* 116-12090

PO 180864-2364

ŇΑ

N/A

Installed

Installed

No

No

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

Remarks: Manufacturers data reports are traceable by work order package.	
Applicable Manufacturer's Data Reports	to be attached
Anabas Dadies 48 described in another trail in another trail in a second constant to the ACME III 4000 control	distance with address to the course of 6004
Anchor Darling 4" check valve is constructed in accordance with ASME III, 1980 e	onion with addenda inrough summer 1981.
, , , , , , , , , , , , , , , , , , , ,	
	•
CERTIFICATE OF COMPLIAN I certify that the statements made in the report are correct and that this confor Type Code Symbol Stamp NA	rms to the requirements of the ASME Code, Section X
Certificate of Authorization No. NA	
Signed J. H. Kramer, Site weld admini	strator Date April 25
	···
CERTIFICATE OF INSERVICE INS	PECTION
I, the undersigned, holding a valid commission issued by the National Board of	f Boiler and Pressure Vessel Inspectors and the State
or Province of <u>Pennsylvania</u> and employed by Hartford. CT	HSBCT of have inspected the components described
in this Owner's Report during the period 10-7-10	to $10-9-10$, and state that
to the best of my knowledge and belief, the Owner has performed examination Owner's Report in accordance with the requirements of the ASME Code, Sect	ns and taken corrective measures described in this
By signing this certificate neither the Inspector nor his employer makes ar	ny warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furth shall be liable in any manner for any personal injury or property damage or a lo	ermore, neither the Inspector nor his employer
inspection.	as of any and ansing norm of connected with this
Jacob C Schall Commissions NB	1420 ANBI PA3031
Inspector's Signature Natio	onal Board, State, Province, and Endorsements
Date4-25	
	'

. Owner Exelon Generation Company, LLC Name					Date March 30, 2012				
	200 Exelon Ad	Way, Kennett Squ dress	iare. PA 19348	Sheet _	of	2	·		
Plant		nerating Station ame		Unit	· 				
	3146 Sanato	oga Road, Pottstov	vn PA 19464	· 	Work	Order No. C0230914			
	Ade	dress			Repair Organiza	tion P.O. No., Job No.	etc.		
i. Work Perform	ned by <u>Exelon Nu</u> N	clear ame		Type Co Authoriza	de Symbol Stam ation No.	P N/A N/A			
		oga Road, Pottsto dress	wn PA 19464	Expiratio	n Date	N/A			
. Identification	of System: Emerge	ncy Service Water	(Syster	m 011) Line No.	HBC-138	Valve	011-1007		
(b) Applicat	le Construction Code ble Edition of Section ble Section XI Code	n XI Utilized for Re	pairs or Repla	Summer 197 cements: 2001 edi	71_Addenda, tion with addenda	N/A Code Ca a through 2003	ase		
3. Identification	•		-						
•	•	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)		
3. Identification	of Components Name of Manufacturer	Manufacturer	National	Other	Year Built	Removed or	Code Stamped (Yes or		
Name of Component "Check valve	of Components Name of Manufacturer	Manufacturer Serial No. BL 390	National Board No.	Other Identification * 114-67723		Removed or Installed	Code Stamped (Yes or No)		
Name of Component " Check valve 011-1007 " Check valve	Name of Manufacturer	Manufacturer Serial No. BL 390	National Board No.	Other Identification * 114-67723 PO# 046205	2011	Removed or Installed Installed	Code Stamped (Yes or No)		
Name of Component " Check valve 011-1007 " Check valve 011-1007	Name of Manufacturer Flowserve Anchor Darling	Manufacturer Serial No. BL 390 3N 997	National Board No.	Other Identification * 114-67723 PO# 046205	2011 N/A	Removed or Installed Installed	Code Stamped (Yes or No)		
Name of Component " Check valve 011-1007 " Check valve 011-1007	Name of Manufacturer	Manufacturer Serial No. BL 390 3N 997	National Board No.	Other Identification * 114-67723 PO# 046205	2011 N/A	Removed or Installed Installed	Code Stamped (Yes or No)		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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Remarks : Manufacturer's data reports a	Applicable Manuf	facturer's Data I	Reports to be atta	ched		· · · · · · · · · · · · · · · · · · ·
	,		. ,			
	CERTI	FICATE OF CO	MPLIANCE		·. · · · · · · · · · · · · · · · · · ·	· · · · · ·
certify that the statements made in the	report are correc	t and that this o	onforms to the rec	uirements of	the ASME Code,	Section XI.
ype Code Symbol Stamp	NA					
Certificate of Authorization No	NA.			1	Expiration Date_	
Signed Of Owner's Designee, 1	itle			· · · · · · · · · · · · · · · · · · ·	-	·
	CERTIFICAT	TE OF INSERV	ICE INSPECTION	l ⁻		
I, the undersigned, holding a valid cor or Province of PENNSYLVANIA	nmission issued	by the National	Board of Boiler a	nd Pressure \	essel Inspectors	and the Stat
Hartfo	md, CT	u by	HODOT	have inspec	ted the compone	nts describe
in this Owner's Report during the perito the best of my knowledge and belie Owner's Report in accordance with the By signing this certificate neither to examinations and corrective measure shall be liable in any manner for any prinspection.	of, the Owner has be requirements of the Inspector nor as described in thi	s performed exa if the ASME Coo his employer m is Owner's Repo	to 4 minations and tal de, Section XI. akes any warrant ort. Furthermore, t	(2/12 ken corrective y, expressed heither the Ins	measures descr or implied, conce	and state the ibed in this ming the polover
Inspector's Signature	1	_Commissions_	NB 1397 National Board		PA 30	
Date APRIL Z	017					

Exelon Generation Company, LLC Name					Date March 13, 2012				
		Way, Kennett Squ Iress	are, PA 19348	3 She	eet	<u>1</u> of	2		
2. Plant		nerating Station ame		Un	it	· · · · · · · · · · · · · · · · · · ·	1		
		ga Road, Pottstov Iress	vn PA 19464	 _	R	Work epair Organiza	Order No. R1160234 tion P.O. No., Job No. e	tc.	
3. Work Perform	ed by <u>Exelon Nuc</u> Na	elear ame		Ty _l Au	pe Code thorization	Symbol Stamon No.	N/A N/A	······	
 		oga Road, Pottstor dress	wn PA 19464	Ex	piration I	Date	N/A		
4. Identification of	of System: Emerger	ncy Service Water	(Syster	n 011) Lin	e No. H	IBC-143	Valve 0	11-1009	
(b) Applicab	le Edition of Section le Section XI Code (XI Utilized for Re	pairs or Replac	Summ cements: 200	<u>er 1971</u> 01 editio	_Addenda, n with addenda	1516, 1567 & 1622 a through 2003	Code Case	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificat		Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)	
8" Check valve disc	Flowserve	K2910-1-1	N/A :	* 114-677 PO# 0343		2010	Installed	Yes	
		•							
, , , ,									
		,					·		
7. Description of	r Exelon stock code work: Replaced 8" ted: Hydrostatic □ Other □ N	check valve disc.	Nominal (Operating Pro	essure [Exempt			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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Remarks : Manufacturer's data reports are traceable by Exelon work order and stock code number. Applicable Manufacturer's Data Reports to be attached
The valve disc was removed from stock valve S/N Bl418 and installed on component 011-1009.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date NA
Signed J.H. Kramer (site weld administrator) Date March 13. , 2012 Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Province of American and employed by HSBCT of Hartford, CT have inspected the components described
in this Owner's Report during the period 2/23/17 to 5/18/17, 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. Mathematical Commissions NB 13977 A, N, J PA 3070 Inspector's Signature National Board, State, Province, and Endorsements
Date MARCH 18 2012.

1. Owner	Exelon Gen	eration Company, L	rc	Date	Ja	nuary 25, 2012					
	Na	ime									
		Way, Kennett Squa Iress	re, PA 1934	8 Sheet _	of	22					
2. Plant		nerating Station		Unit	 	1					
3146 Sanatoga Road, Pottstown PA 19464 Work Order No. R1074753 (supply) Address Repair Organization P.O. No., Job No. etc.											
3. Work Performed by <u>Exelon Nuclear</u> Type Code Symbol Stamp <u>N/A</u>											
3. WORR Performed		ame		Authoriza	ation No	N/A					
		oga Road, Pottstow dress	n PA 19464		n Date		·				
4 Identification of S		. ,	(Sumto	m (11) Lina Na	CD UDC 140 E1	(cumphs) Unit Co	nlor 1A 1/209				
4. Identification of t	system: <u>Emerge</u>	icy Service water	<u> (Syste</u>	m OTTI Line No.	SP-116C-140-E1	(supply) Unit Co	oler IA-VZUS_				
E (a) Applicable (Canata vation Code	A CAME III	10.74	Edition M	lintor 1074 A	ddenda, N/A	Codo Coco				
(b) Applicable	Edition of Section	XI Utilized for Rep	airs or Repla	cements: 2001 edit	tion with addenda	through 2003	Coue Case				
(c) Applicable	Section XI Code	Case(s) <u>N-686-1</u>	<u> </u>			· ·					
6. Identification of 0	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) 3" NPS W.N. Flange	Western Forge & Flange	Heat Code FVV-A-1	N/A	* 114-91439 PO# 009825- 4487	N/A	Installed	No				
(1) 3" x 2" Eccentric Reducer	Taylor Forge	Heat Code MTVV-1	N/A	* 114-61210 PO# 044911	N/A	Installed	No				
(2) Feet 2" NPS pipe	United States Steel	Heat No. H48254	N/A	* 114-90045 PO# 009825- 4809	N/A	installed	No				
(2) 2" NPS Socket Weld Elbow	Bonny Forge	Lot No. 76996	N/A	* 114-90818 PO# 009825- 4534 & 4470	N/A	Installed	No				
(1) 2" x 2" x 3/4" Socket Weld Tee	Bonny Forge	Lot No. 78041	N/A	* 114-98248 PO# 009825- 4850	N/A	installed	No				
(1) 2" Socket Weld Flange	Western Forge & Flange	Heat Code FVV-A-3	N/A	* 114-90527 PO# 009825- 4886	N/A	Installed	No				
* Traceability per E	xelon stock code	number.									
7. Description of w	ork: Replaced en	nergency service w	ater supply p	piping to HPCI unit o	cooler 1A-V208.	· · · · · · · · · · · · · · · · · · ·					
8. Tests conducted		☐ Pneumatic ☐ <u>23</u> PSI Test Te		Operating Pressure°F.	Exempt D]					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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lemarks <u>; none</u>	Applicable	Manufacturer's Data Re	eports to be attached		
			• • •		
					
		•			
		CERTIFICATE OF COM	APLIANCE		
ertify that the statem	ents made in the report are	correct and that this cor	nforms to the requirements o	of the ASME Code, Section)	KI.
•	•	• • •	•	·	-
ype Code Symbol Sta	amp <u>NA</u>	 	 	·· · · · · · · · · · · · · · · · · · ·	
ertificate of Authoriza	ation No.	VA		Expiration Date	
A					_
~ 11			·		
igned Ob. V	- K	J.H. Kramer (site we	eld administrator) Date	January 25. , 20	12
	mer's Designee, Title	J.H. Kramer (site we	eld administrator) Date	January 25. , 20	12
	mer's Designee, Title	J.H. Kramer (site we	eld administrator) Date	January 25. , 20	12
	mer's Designee, Title	J.H. Kramer (site we	eld administrator) Date	January 25, 20	12
	mer's Designee, Title			January 25, 20	12
	mer's Designee, Title	J.H. Kramer (site we		January 25. , 20	12
Owher or Ow	mer's Designee, Title CERT	TIFICATE OF INSERVIC	CE INSPECTION Board of Boiler and Pressure	January 25. , 20	Sta
Owher or Ow	mer's Designee, Title CERT holding a valid commission Pennsylvaniaand e	TIFICATE OF INSERVIC issued by the National E mployed by	CE INSPECTION Board of Boiler and Pressure HSBCT	Vessel Inspectors and the S	Sta
Owher or Ow	mer's Designee, Title CERT holding a valid commission Pennsylvaniaand e	TIFICATE OF INSERVIC issued by the National E mployed by	CE INSPECTION Board of Boiler and Pressure HSBCT	Vessel Inspectors and the S	Stat
I, the undersigned, or Province of	ner's Designee, Title CERT holding a valid commission Pennsylvania and e Hartford, CT ort during the period Lo	INSERVICE OF INSERVICE issued by the National Employed by	CE INSPECTION Board of Boiler and Pressure HSBCT have inspector 27 JANJARY	eversel Inspectors and the sected the components described to the components described and state	Star c ibed
I, the undersigned, I or Province of	cert holding a valid commission Pennsylvania and e Hartford, CT ort during the period	INSERVICE OF INSERVICE issued by the National Employed by	Se INSPECTION Board of Boiler and Pressure HSBCT have inspection 27 JANJARY Initiations and taken correction	Vessel Inspectors and the S	Star c ibed
I, the undersigned, I or Province of	CERT holding a valid commission Pennsylvania and e Hartford, CT ort during the period 20 owledge and belief, the Ow	issued by the National Employed by SEPTEMBER TO: mer has performed examents of the ASME Code	CE INSPECTION Board of Boiler and Pressure HSBCT have inspection 2.7 JANJARY ninations and taken corrections, Section XI.	ected the components described in this remains and state	Star c ibed
I, the undersigned, I or Province of in this Owner's Report in ac By signing this cexaminations and cc	CERT holding a valid commission Pennsylvania and e Hartford, CT ord during the period	issued by the National Employed by \$69766622 7611 mer has performed examents of the ASME Code stor nor his employer maded in this Owner's Repor	Board of Boiler and Pressure HSBCT have inspecto 27 JANJA24 ninations and taken correction, Section XI. kes any warranty, expresse	ected the components described in this described in this described in this described in the spector nor his employer	State of the state
I, the undersigned, I or Province of in this Owner's Report in ac By signing this cexaminations and cc	CERT holding a valid commission Pennsylvania and e Hartford, CT ord during the period	issued by the National Employed by \$69766622 7611 mer has performed examents of the ASME Code stor nor his employer maded in this Owner's Repor	Board of Boiler and Pressure HSBCT have inspecto 27 JANJA24 ninations and taken correction, Section XI. kes any warranty, expresse	ected the components described in this described in this described in this described in the spector nor his employer	State of the state
I, the undersigned, I or Province of in this Owner's Report in ac By signing this cexaminations and cc	CERT holding a valid commission Pennsylvania and e Hartford, CT ord during the period	issued by the National Employed by \$69766622 7611 mer has performed examents of the ASME Code stor nor his employer maded in this Owner's Repor	Board of Boiler and Pressure HSBCT have inspecto 27 JANJA24 ninations and taken correction, Section XI. kes any warranty, expresse	e Vessel Inspectors and the sected the components described in the vermeasures described in the dor implied, concerning the	State of the state
I, the undersigned, I or Province of in this Owner's Report in ac By signing this cexaminations and coshall be liable in any	CERT holding a valid commission Pennsylvania and e Hartford, CT ord during the period	issued by the National Employed by \$69766622 7611 mer has performed examents of the ASME Code stor nor his employer maded in this Owner's Repor	Board of Boiler and Pressure HSBCT have inspecto 27 JANJA24 ninations and taken correction, Section XI. kes any warranty, expresse	ected the components described in this described in this described in this described in the spector nor his employer	Star c ibed that
I, the undersigned, I or Province of in this Owner's Report in ac By signing this cexaminations and coshall be liable in any	CERT holding a valid commission Pennsylvania and e Hartford, CT ord during the period	issued by the National Employed by SEPTEMBER ZELL mer has performed examents of the ASME Code stor nor his employer maded in this Owner's Repor	CE INSPECTION Board of Boiler and Pressure HSBCT have inspection 2.7 JANJA24 ninations and taken correction, Section XI. kes any warranty, expressed. Furthermore, neither the lift or a loss of any kind arising	eversel inspectors and the sected the components described that the verse measures described in this dor implied, concerning the aspector nor his employer from or connected with this	Sta c ibe tha
I, the undersigned, I or Province of	CERT holding a valid commission Pennsylvania and e Hartford, CT ort during the period 20 owledge and belief, the Ow coordance with the requirem certificate neither the Inspectorective measures describe manner for any personal in	issued by the National Employed by SEPTEMBER ZELL mer has performed examents of the ASME Code stor nor his employer maded in this Owner's Repor	Board of Boiler and Pressure HSBCT have inspector 27 JANJARY ninations and taken corrective, Section XI. kes any warranty, expressed. Furthermore, neither the life or a loss of any kind arising	e Vessel Inspectors and the sected the components described and state we measures described in this dor implied, concerning the aspector nor his employer a from or connected with this	Sta c ibe tha
I, the undersigned, or Province of	CERT holding a valid commission Pennsylvania and e Hartford, CT ord during the period	issued by the National Employed by SEPTEMBER ZELL mer has performed examents of the ASME Code stor nor his employer maded in this Owner's Repor	Board of Boiler and Pressure HSBCT have inspector 27 JANJARY ninations and taken corrective, Section XI. kes any warranty, expressed. Furthermore, neither the life or a loss of any kind arising	eversel inspectors and the sected the components described that the verse measures described in this dor implied, concerning the aspector nor his employer from or connected with this	State of the state

1. Owner	Owner Exelon Generation Company, LLC Name						Ja	nuary 25, 2012	
		Way, Kennett Squa dress	re. PA 1934	BSh	eet	_1 of	·	2	
2. Plant	Plant Limerick Generating Station							1.	
3146 Sanatoga Road, Pottstown PA 19464 Address								No. R1074753 (return tion P.O. No., Job No	
3. Work Performed	,	clear ame		Ty	Type Code Symbol StampN/A				
		oga Road, Pottstow dress	n PA 19464	Ex	piration	n Date		N/A	
4. Identification of S	System: Emerge	ncy Service Water	(Syster	m 011) <u>Lir</u>	ne No.	SP-HBC-	149-E1	(return) Unit Cox	oler 1A-V208
(b) Applicable	5. (a) Applicable Construction Code <u>ASME III</u> 19.74 Edition, <u>Winter 1974</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) <u>N-686-1</u>								
6. Identification of 0	Components	<u></u>						<u> </u>	·
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificat	1	Year i	3uilt	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
(1) 3" NPS W.N. Flange	Western Forge & Flange	Heat Code FVV-A-1	N/A	* 114-914 PO# 00982 4487		- N//	١	Installed	No
(1) 3" x 2" Concentric Reducer	Taylor Forge	Heat Code MSHD-1	N/A	* 114-980 PO# 0382		N/	\	Installed	No
(2) Feet 2" NPS pipe	United States Steel	Heat No. H48254	N/A	* 114-900 PO# 0098 4809		N//	١	Installed	No
(2)2"NPS Socket Weld Elbow	Bonny Forge	Lot No. 76996	N/A	* 114-908 PO# 0098 4534 & 4	325-	NV	4	Installed	No
(1) 2" Socket Weld Flange	Western Forge & Flange	Heat Code FVV-A-3	N/A	* 114-905 PO# 0098 4886		N//	A	Installed	No
* Traceability per E	xelon stock code	number.							
7. Description of w	ork: Replaced en	nergency service w	ater return pi	ping from HF	PCI uni	cooler 1	A-V208		
8. Tests conducted		Pneumatic Psi Test Te		Operating Pr	essure	■ Ex	empt (]	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 FORM NIS-2

Remarks : none Applicable	le Manufacturer's Data Reports to be attached
. •	
-	CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are	e correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA	
Certificate of Authorization No	NA Expiration Date N
Signed	J.H. Kramer (site weld administrator) Date <u>January 25.</u> , 20 <u>12</u>
CER	ITIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission	n issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Hartford, CT	employed by HSBCT of have inspected the components described to 27 JANUARY 2012, and state that
to the best of my knowledge and belief, the Ow Owner's Report in accordance with the requiren By signing this certificate neither the Inspec examinations and corrective measures describe	wner has performed examinations and taken corrective measures described in this
mitt Cl	Commissions National Board, State, Province, and Endorsements
Inspector's Signature	National Board, State, Province, and Endorsements
Date 27 1MUARY 2012.	

1. Owner	Exelon Gener	ation Company, LL	c	Date	Ma	arch 15, 2012	
	Nan	ne		i i i			
	200 Exelon W Addr	/ay, Kennett Squar ess	e. PA 19348	Sheet1	_ of	2	
2. Plant	PlantLimerick Generating Station					1	
2. Plant		ne .		Onit		<u></u>	
	3146 Sanatoo	a Road, Pottstown,	PA 19464	Work	Order No. C	00239201	
	Addr	ess		Repai	r Organizatio	on P.O. No., Job No.	etc.
3. Work Performed	by Exelon Nucl	ear		Type Code Sym	nboi Stamp	None	
o. Work Chomica		ne		Authorization N	0	Not applica	ble
	3146 Sanato	ga Road, Pottstow	n, PA 19464	Expiration Date		Not applica	ble
			<u> </u>				
4. Identification of S	System <u>Emergenc</u>	<u>y Service Water (</u>	System 011)	Line No. 6" HE	3C-082-01		
(b) Applicable	Edition of Section 2 Section XI Code C	KI Utilized for Repa	irs / Replacen	dition, <u>Winter 1974</u> nent Activity 20 <u>01 editio</u>	Addene	da, <u>N/A</u> nda through 2003	_Code Case
							ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	Code Stamped (Yes or No)
6" NPS HBC-082-01-3	Exelon Nuclear	N/A	N/A	6" NPS HBC-082-01-3 Weld# X1 & X2	N/A	Corrected	No
	·			·	1.		
7. Description of w	ork: Repaired 6" I	IBC-082-01-3 pipe	by base meta	ıl repair.			
8. Tests conducted		Pneumatic □ 116psi Test		erating Pressure I I	Exempt 🗆		
					(4) -1 5 4	m	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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9. Remarks None	
Applicable Manufacturer's Data Reports to be attached	
	
CERTIFICATE OF COMPLIANCE	
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Se	ection XI.
Type Code Symbol StampNA	
Certificate of Authorization No. NA Expiration Date	N/
0 11 W	*
of the or Owner's Designee, Title J.H. Kramer, site weld administrator Date March 15, 2012	
	·
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and or Province of Pennsylvania and employed by HSBCT	nd the State of
Hartford, CT have inspected the components	described
in this Owner's Report during the period	
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 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 wi	ith this
inspection.	÷
Commissions NB 139774,NIPA 3020	
Inspector's Signature Commissions National Board, State, Province, and Endorsement	ents
Man 14 0 0 - 10	
Date FINEOPT W 2012	

1. Owner	Exelon Gene Nar		.c	Date	Ma	rch 25, 2012	
	200 Exelon V Add	Vay, Kennett Squar ress	e. PA 19348			2	
2. Plant	<u>Limerick Gen</u> Nar	erating Station ne		Unit	<u>.</u>	Common	
	3146 Sanatog Addi	a Road, Pottstown,	PA 19464	Repai		rder C0238642 on P.O. No., Job No.	etc.
3. Work Performed	Work Performed by Exelon Nuclear Name					None Not applicat	ole
<u> </u>	3146 Sanato Add	ga Road, Pottstow ress	n. PA 19464	Expiration Date	· 	Not applicat	ole
4. Identification of S	System <u>Emerger</u>	cy Service water	(System 0	11) Line No. SP-	HBC-083-00	01F Valve	9 011-0465
(b) Applicable	Edition of Section Section Section XI Code C	ASME III XI Utilized for Reparase(s) N-686-1	irs / Replacer	lition, <u>Winter 74</u> ment Activity 20 <u>01 editio</u>	Adde n with adder	nda, <u>N/A</u> C nda through 2003	Code Case
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)
2" Ball Valve 011-0465	BNL Industries	A080708-1-2	N/A	* 114-63218 PO# 027477	2008	Installed	Yes
(1) 2" NPS Haif Coupling	Colonial Machine Company	Heat Code CMC	N/A	*114-92683 PO# 047813	N/A	installed	No
(1) Foot 2" NPS pipe	Sandvick	Heat No. 521756	N/A	* 11490030 PO# 042094	N/A	Installed	No
						,	
* Traceability per E 7. Description of w		number.					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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Other 🛘 100 psi Test Temp. N/A °F.

Remarks Manufacturers data reports are traceable by work order package. Applicable Manufacturer's Data Reports to be attached
Work completed in accordance with Exelon design change ECR 10-00208.
Work Completed in accordance with Exercit design organize ESTY TO COZOC.
Ball valve 011-0465 was constructed in accordance with ASME III, 1989 edition, no addenda.
Dail Valid 011 0-100 Wad delighted in accordance with 1750 the first 150 delight in accordance
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed Gan V. Kan J.H. Kramer, Site weld administrator Date March 25, 2012
Wwner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>Pennsylvania</u> and employed by <u>HSBCT</u> of Hartford, CT have inspected the components described
in this Owner's Report during the period \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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.
(M)H(I)U
Commissions NB 13977 A N I PA 3020
Commissions NB 13977 A, N, T PA 3020 Inspector's Signature National Board, State, Province, and Endorsements
Date MAY 17 2012

1. Owner	Exelon Gener	ration Company, LL	c	Date	Ma	rch 25, 2012	
	Nan						
	200 Exelon V Addr	/ay, Kennett Square	p. PA 19348	Sheet1	_ of	2	
2. Plant	Limerick Gen	erating Station		Unit	C	ommon	
	. , ,						
	3146 Sanatog Addr	a Road, Pottstown,		Work Ord	ler C0241808 on P.O. No., Job No. (ato.	
•	. Addi	033		·	_		
3. Work Performed	, —			Type Code Sym	nbol Stamp	None Not applicat	
•	Nar	ne .	•	Authorization N	0	Not applicat	ne
		ga Road, Pottstown	. PA 19464	Expiration Date		Not applicat	ole
	Addr	ess				•	
4. Identification of S	System_Emergenc	y Service Water	(System 0	11) Line No. Hi	BC-084-01	- 	
5. (a) Applicable	Construction Code	ANSI B31.7.	1969 Editio	n, <u>March 1971</u>	Addenda.	N/A C	ode Case
(b) Applicable	Edition of Section 2	XI Utilized for Repai	rs / Replacer	nent Activity 20 <u>01 editio</u>	n with adde	nda through 2003	
(c) Applicable	Section XI Code C	ase(s) N/A					
6. Identification of C	Components	•				,	
				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)
HBC-084-H001 (1) 1/8" Shim Plate	Nucor Steel	Heat No. S85525-07	N/A	* 114-59486 -PO# 001897-1066	N/A	Corrected	No
							
* Traceability per E	xelon stock code n	umber.	·	<u> </u>		• ••••	
7. Description of wo	ork: <u>Installed shim</u>	plate in pipe suppor	1 HBC-084-H	1001 to correct out of tol	erance gap	clearance.	·
8. Tests conducted Other N	•			Operating Pressure	Exempt	•	
NOTE: Supplemention in items 1 three recorded at the	rrough 6 on this rep	m of lists, sketches port is included on e	, or drawings each sheet, a	may be used, provided nd (3) each sheet is nur	(1) size 8 1 nbered and	/2 in. x 11 in., (2) info the number of sheets	ma- is

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, N.J. 07007-2300

·	e attached
	· , ·
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the	ne requirements of the ASME Code, Section XI.
Type Code Symbol StampNA	·
Certificate of Authorization No. NA	
Signed J.H. Kramer, Site weld administrator Wher or Owner's Designee, Title	Date <u>March 25, 2012</u>
	CTION
CERTIFICATE OF INSERVICE INSPEC	
I, the undersigned, holding a valid commission issued by the National Board of Bo or Province of Pennsylvania and employed by HSBC	eT o
I, the undersigned, holding a valid commission Issued by the National Board of Bo or Province of Pennsylvania and employed by HSBC	T
I, the undersigned, holding a valid commission issued by the National Board of Bo	have inspected the components described for taken corrective measures described in this kl. arranty, expressed or implied, concerning the tore, neither the Inspector nor his employer
I, the undersigned, holding a valid commission issued by the National Board of Boor Province of Pennsylvania and employed by HSBC Hartford, CT in this Owner's Report during the period 2/23/v2 to to the best of my knowledge and belief, the Owner has performed examinations at Owner's Report in accordance with the requirements of the ASME Code, Section By signing this certificate neither the Inspector nor his employer makes any we examinations and corrective measures described in this Owner's Report. Furtherm shall be liable in any manner for any personal injury or property damage or a loss of inspection. Commissions VIS 13°7	have inspected the components described for taken corrective measures described in this kl. arranty, expressed or implied, concerning the tore, neither the Inspector nor his employer

1. Owner	Exelon Gener Nam	ation Company, LL	C	Date	Ms	arch 15, 2012			
	200 Exelon W Addro	ay. Kennett Square	o. PA 19348	Sheet1_	of	2			
2. Plant	Plant Limerick Generating Station Name					Unit1			
		a Road, Pottstown, ess	PA 19464	Work Repair	Order No. (Organizati	00240743 on P.O. No., Job No.	etc.		
3. Work Performed	by <u>Exelon Nucle</u>	ear ne		Type Code Sym	nbol Stamp o.	None Not applicat	ole		
	3146 Sanator Addr	ga Road, Pottstown ess	. PA 19464	Expiration Date	·	Not applical	ole		
4. Identification of S	System_ <u>Emergence</u>	y Service Water (S	System 011)	Line No. 3" HE	8C-141-04				
(b) Applicable	Construction Code Edition of Section) Section XI Code C	(I Utilized for Repai	19 <u>74</u> E rs / Replacen	dition, <u>Winter 1974</u> nent Activity 20 <u>01 editio</u>	Adden	da, <u>N/A</u> nda through 2003	_Code Case		
6. Identification of C	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)		
3" NPS HBC-141-04 Weld# 5134-413	Exelon Nuclear	N/A	N/A	3" NPS HBC-141-04 Weld# 5134-413	N/A	Corrected	No		
			-						
		,1 · 1							
				٠.					
Description of w Tests conducted	l: Hydrostatic	IBC-141-04 Weld# Pneumatic 116 psi Test T	Nominal Op	perating Pressure	Exempt		_		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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	∆nnlic	rahla Manufartumre Dat	a Reports to be attached	
	Applic	and Martinacturer 5 Dat	a i iopoito to de attacitou	
	· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·		
			·	·
				·
				· ' .
		CERTIFICATE OF	COMPLIANCE	
		and the second second		ments of the ASME Code, Section)
ype Code Symbol S	stamp NA		<u> </u>	<u></u>
extificate of Authori	ization No	NΔ		Expiration Date
igned transfer	D. K	J.H. Kramer, site weld ac	<u>Iministrator</u> Date	March 15 , 2012
igrica	Design Tills			
Owner or C	Owner's Designee, Title	. .		
Owner or C	Owner's Designee, Title	· · · · · · · · · · · · · · · · · · ·		
Owher or C	owner's Designee, Title			
Owner or C	owner's Designee, Title	CERTIFICATE OF INSER	RVICE INSPECTION	
Owher or C	owner's Designee, Title Co	sion issued by the Nation	nal Board of Boiler and Pi	ressure Vessel Inspectors and the S
Owher or C	owner's Designee, Title Co	sion issued by the Nation	nal Board of Boiler and Pi	ressure Vessel Inspectors and the S
I, the undersigned or Province of	owner's Designee, Title Control I, holding a valid commiss Pennsylvania a Hartford, C	sion issued by the Nation and employed by	nal Board of Boiler and Pi HSBCT hav	re inspected the components descri
I, the undersigned or Province ofin this Owner's Re	owner's Designee, Title Control of the commission of the commission of the commission of the control of the co	sion issued by the Nation and employed by T	nal Board of Boiler and Pi HSBCT hav	e inspected the components described and state
I, the undersigned or Province of in this Owner's Reto the best of my k Owner's Report in	h, holding a valid commiss Pennsylvania Hartford. Ceport during the period knowledge and belief, the	sion issued by the Nation and employed by T	hal Board of Boiler and PrintsBCT have to 3/100 examinations and taken code, Section XI.	re inspected the components described in this orrective measures described in this
I, the undersigned or Province of in this Owner's Reto the best of my k Owner's Report in By signing this	h, holding a valid commiss Pennsylvania a Hartford C control during the period communication of the control of	sion issued by the Nation and employed by T	hal Board of Boiler and Pi HSBCT have to 5/100 examinations and taken coode, Section XI.	re inspected the components described in this pressed or implied, concerning the
I, the undersigned or Province of in this Owner's Re to the best of my to Owner's Report in By signing this examinations and of the province of the prov	h, holding a valid commission of the Pennsylvania and Hartford, Commonwedge and belief, the accordance with the requision confective measures designed.	sion issued by the Nation and employed by	hal Board of Boiler and Pi HSBCT have to 3/100 examinations and taken of Code, Section XI. or makes any warranty, exercise. Furthermore, neither	re inspected the components described. and state orrective measures described in this pressed or implied, concerning the er the Inspector nor his employer
I, the undersigned or Province of in this Owner's Reto the best of my k Owner's Report in By signing this examinations and a shall be liable in an	h, holding a valid commission of the Pennsylvania and Hartford, Commonwedge and belief, the accordance with the requision confective measures designed.	sion issued by the Nation and employed by	hal Board of Boiler and Pi HSBCT have to 3/100 examinations and taken of Code, Section XI. or makes any warranty, exercise. Furthermore, neither	re inspected the components described in this pressed or implied, concerning the
I, the undersigned or Province of in this Owner's Report in By signing this examinations and of the second o	h, holding a valid commission of the Pennsylvania and Hartford, Commonwedge and belief, the accordance with the requision confective measures designed.	sion issued by the Nation and employed by	hal Board of Boiler and Pi HSBCT have to 3/100 examinations and taken of Code, Section XI. or makes any warranty, exercise. Furthermore, neither	re inspected the components described. and state orrective measures described in this pressed or implied, concerning the er the Inspector nor his employer
I, the undersigned or Province of in this Owner's Reto the best of my k Owner's Report in By signing this examinations and a shall be liable in an	h, holding a valid commission of the Pennsylvania and Hartford, Commonwedge and belief, the accordance with the requision confective measures designed.	sion issued by the Nation and employed by	hal Board of Boiler and PrintsBCT have to 3/100 examinations and taken code, Section XI. If makes any warranty, exercite Furthermore, neither age or a loss of any kind	re inspected the components described in the orrective measures described in the pressed or implied, concerning the er the Inspector nor his employer arising from or connected with this
I, the undersigned or Province of in this Owner's Reto the best of my k Owner's Report in By signing this examinations and a shall be liable in an	h, holding a valid commission of the Pennsylvania and Hartford, Commonwedge and belief, the accordance with the requision confective measures designed.	sion issued by the Nation and employed by	hal Board of Boiler and PrintsBCT have to 3/100 examinations and taken code, Section XI. If makes any warranty, exercite Furthermore, neither age or a loss of any kind	re inspected the components described. and state orrective measures described in this pressed or implied, concerning the er the Inspector nor his employer
I, the undersigned or Province of in this Owner's Report in By signing this examinations and shall be liable in an inspection.	h, holding a valid commission of the Pennsylvania and Hartford, Commonwedge and belief, the accordance with the requision confective measures designed.	sion issued by the Nation and employed by	hal Board of Boiler and PrintsBCT have to \$\frac{100}{200}\$ have to \$\frac{100}{200}\$ have examinations and taken code, Section XI. If makes any warranty, export. Furthermore, neither hage or a loss of any kind the state of th	re inspected the components described in the corrective measures described in the pressed or implied, concerning the er the Inspector nor his employer arising from or connected with this
I, the undersigned or Province of in this Owner's Re to the best of my k Owner's Report in By signing this examinations and a shall be liable in an inspection.	h, holding a valid commission of the port during the period converge and belief, the accordance with the requision corrective measures design manner for any person	sion issued by the Nation and employed by	hal Board of Boiler and PrintsBCT have to \$\frac{100}{200}\$ have to \$\frac{100}{200}\$ have examinations and taken code, Section XI. If makes any warranty, export. Furthermore, neither hage or a loss of any kind the state of th	re inspected the components described in the corrective measures described in the pressed or implied, concerning the er the Inspector nor his employer arising from or connected with this

							
1. Owner	Exelon Gener Nam	ation Company, LL	C	Date	Ma	rch 19, 2012	
	200 Exelon W Addr	Sheet 1	_ of	2			
2. Plant	2. Plant Limerick Generating Station Name					1	
<u> </u>	3146 Sanatog Addr	a Road, Pottstown, ess	PA 19464	Work Repai	Order No. 0 r Organizatio	00241696 on P.O. No., Job No.	etc.
3. Work Performed	by <u>Exelon Nucle</u> Nan			Type Code Syn Authorization N	nbol Stamp o.	None Not applica	ble
	3146 Sanato Addr	ga Road, Pottstowr ess	ı. PA 19464	Expiration Date		Not applica	ble
4. Identification of S	System_Emergenc	y Service Water (S	System 011)	Line No. 6" HE	3C-147-03	······································	
(b) Applicable	Edition of Section >	ASME III KI Utilized for Repairase(s)N/A	irs / Replacen	dition, <u>Winter 1974</u> nent Activity 20 <u>01 edition</u>	Addeno	da, <u>N/A</u> nda through 2003	_Code Case
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)
6" HBC-147-03 Reinforcing Pad	Colonial Machine	Heat No. C7292	N/A.	* 114-96221 PO# 050642	N/A	Installed	No
	·		·			a	
		·			-		
7. Description of w	ork: <u>Installed reinf</u>	orcing pad on 6° ES	SW pipe stub	-in.			
8. Tests conducted		Pneumatic □ VA psi Test 1			Exempt		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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	Applicable Manufacturer's	Data Reports to be at	ttached		
					
					
		•			
	CERTIFICATE	OF COMPLIANCE			
certify that the statements made	e in the report are correct and tha	at this conforms to the	requirements of	the ASME Code, Sect	ion XI.
Type Code Symbol Stamp	NA	· · · · ·	· · · · · · · · · · · · · · · · · · ·		
	NA			Expiration Date	N
. •	J.H. Kramer, site we				
Other or Owner's Desi	ignee, Title	ad administrator	Date	01110	
·					
	CERTIFICATE OF IN	NSERVICE INSPECTION	ON		
I, the undersigned, holding a v	valid commission issued by the N	lational Board of Boile	r and Pressure \	/essel Inspectors and	
or Province of Pennsylv	raniaand employed by Hartford, CT	HSBCT_		ted the components de	of
in this Owner's Report during t	the period 3/1/12	to3	3/23/12	. and s	tate that
to the best of my knowledge a Owner's Report in accordance	and belief, the Owner has perform with the requirements of the ASI	ned examinations and ME Code, Section XI.	taken corrective	measures described i	n tnis
By signing this certificate r	neither the inspector nor his emp	loyer makes any warra	anty, expressed	or implied, concerning	the
examinations and corrective m	easures described in this Owner	's Report. Furthermore), neither the Ins	spector nor his employe	er thic
shall be liable in any manner for	or any personal injury or property	damage or a loss or a	ily raid along	TOTAL OF COMMISSION WITH	
shall be liable in any manner for inspection.	±				
shall be liable in any manner fo	01		•		
shall be liable in any manner fo	Commis	ssions NB 13	P77 4.N.I	- DA 3020	
shall be liable in any manner fo	Commis	0010110 1 1 12		_ NA 3020 ince, and Endorsemen	

1. Owner	Exelon Gener Nan	ation Company, LL	.c	Date	Date April 25, 2011					
 	200 Exelon Way, Kennett Square, PA 19348 Address					2				
2. Plant	Plant <u>Limerick Generating Station</u> Name					1				
	Wor Repa	Work Order No. C0236810 Repair Organization P.O. No., Job No. etc.								
3. Work Performed	Type Code Sy	Type Code Symbol Stamp None Authorization No. Not applicable								
	3146 Sanatoga Road, Pottstown, PA 19464					Expiration Date Not applicable				
4. Identification of S	System_ <u>Emergenc</u>	y Service Water (System 011)	Line No. HBC	C-143-03					
(b) Applicable	Edition of Section 2 Section XI Code C	ASME III XI Utilized for Repa ase(s)N/A	irs / Replacer	dition, <u>Winter 197</u> nent Activity 20 <u>01 editi</u>	'4Addeno	da, <u>N/A</u> nda through 2003	_Code Case			
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)			
6" NPS HBC-143-03-5	Exelon Nuclear	N/A	N/A	6" NPS HBC-143-03 Weld# X1	N/A	Corrected	No			
,										
· ·										
7. Description of w	ork: Repaired 6" I	IBC-143-03-5 pipe	by base meta	al repair,						
8. Tests conducted		Pneumatic 🗆 120 psi Test		erating Pressure A °F.	Exempt []					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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9. Remarks None
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization NoNA Expiration Date
Signed J. H. Kramer, site weld administrator Date April 25 , 2011 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of
in this Owner's Report during the period
in this Owner's Report during the period
Jasal C. Achall Commissions NB 7920 ANB1 - PA 30 31 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements Date

1. Owner	Exelon Gener Nan	ration Company, LL	<u>C</u>	Date		M	ay 5, 2011	
	200 Exelon W	/ay, Kennett Squar	e. PA 19348	Sheet	1	of	2	
2. Plant		erating Station		Unit			1	· .
	Nar							
	3146 Sanatoga Road, Pottstown, PA 19464 Address					<u>Order No. (</u> Organizati	00236858 on P.O. No., Job No.	etc.
3. Work Performed by <u>Exelon Nuclear</u>				Type Cod	le Sym	bol Stamp	None	
	Nar)		
3146 Sanatoga Road, Pottstown, PA 19464 Expiration Date Not applicable Address							ble	
4. Identification of S	System_Emergenc	y Service Water (System 011)	Line No.	нвс-	152-03	····	
(b) Applicable	Edition of Section 2	ASME III XI Utilized for Repa	irs / Replacen	dition, <u>Winte</u> nent Activity 20 <u>01</u>	r 1974 editior	Adden	da, <u>N/A</u> nda through 2003	_Code Case
	Section XI Code C	ase(s) <u>N/A</u>					4	
6. Identification of 0	Components						. ·	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identifica	ition	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
(4) Feet 6" NPS Pipe	United States Steel	Heat No. U21214	N/A	* 114-90062 PO# 009825-40		N/A	Installed	No
(2) 6" NPS 90 Degree Pipe Elbows	Tube Forgings of America	Heat Code T874L-18 & T874L-28	N/A	* 114-9155- PO# 009825-4	· .	N/A	Installed	No
(1) 6" NPS 45 Degree Pipe Elbow	Tube Forgings of America	Heat Code T874P	N/A	* 114-9185 PO# 042509	- 1	N/A	Installed	No
· ·						-		
* Traceability per E	xelon stock code n	umber and purcha	se order	<u> </u>		•		- -
7. Description of w	ork: Replaced 6" I	HBC-152-03 ESW	pipe and fittin	gs.				
8. Tests conducted		Pneumatic □ 20_psi Test Te		erating Pressure _°F.	# 6	xempt 🗆		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks None
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Certificate of Authorization No NA Expiration Date
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 3-2-// to 3-/2-// and state that
in this Owner's Report during the period 3-2-// to 3-/2-// 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.
Jacal C. Schall Commissions NB 7970 ANB 1 - PA 3031 Inspector's Signature National Board, State, Province, and Endorsements
inspectors organized realizational board, oracle, province, and endorsements
Date

					· · · · · · · · · · · · · · · · · · ·			
1. Owner	Exelon Gene Nar	ation Company, LL	С	Date	Febru	ary 26, 2012		
	200 Exelon V Addi	/av. Kennett Squar ess	e, PA 19348	Sheet1	of	2		
2. Plant	ant: Limerick Generating Station Name				Unitcommon			
	3146 Sanatog Addı	a Road, Pottstown, ess	PA 19464	Repair	Work Order No. C0234456 Repair Organization P.O. No., Job No. etc.			
3. Work Performed	by <u>Exelon Nucl</u> Nar			Type Code Sym	ibol Stamp o	None Not applicat	ole	
	Expiration Date							
4. Identification of System RHR service water (System 012) Line No. HBC-508 RHRSW pump 0A-P506								
5. (a) Applicable Construction Code ASME III 19.71 Edition, Summer 1973 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A								
6. Identification of 0								
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)	
Pump Bowl & Column Assembly	Flowserve	RLSA 18294	N/A	* 114-80666 PO# 038375	2011	Installed	Yes	
Stuffing Box	Flowserve	Lot N0. RLSA 13805	N/A	* 114-66198 PO# 257803-343	2010	Installed	Yes	
(30) 7/8" Cap Screws	Nova Machine	Heat Code 6N38	N/A	* 114-87925 PO# 048937	N/A	Installed	No	
(6) 7/8" Nuts	Nova Machine	Heat Code 6D81	N/A	* 116-12220 PO# 046231	N/A	Installed	No	
(13) 7/8" Nuts	Nova Machine	Heat Code P841	. N/A	* 116-12220 PO# 180864-1731	N/A	Installed	No	
* Traceability per Exelon stock code number. 7. Description of work: Replaced RHRSW pump bowl assembly, stuffing box and bolting 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Cher Cher Specific Nominal Operating Pressure Exempt Cher Cher Specific Nominal Operating Pressure Cher Cher Cher Cher Cher Cher Cher Ch								

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks <u>Manufacturers data reports are traceable by Exelon work of</u> Applicable Manufacturer's Da	ta Reports to be attached
	· · · · · · · · · · · · · · · · · · ·
	
CERTIFICATE OF	COMPLIANCE
I certify that the statements made in the report are correct and that this	s conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA	
Certificate of Authorization NoNA	Expiration Date N/
Signed J. H. Kramer, site weld administrate Owner or Owner's Designee, Title	or Date February 26. , 2012
CERTIFICATE OF INSE	RVICE INSPECTION
I, the undersigned, holding a valid commission issued by the Natio	nal Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>Pennsylvania</u> and employed by Hartford, CT	HSBCTofof
in this Owner's Report during the period	to 3/20/12 , 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 of By signing this certificate neither the Inspector nor his employe	
examinations and corrective measures described in this Owner's R	eport. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property dan	nage or a loss of any kind arising from or connected with this
inspection.	
MITTER DE	ns NB 13977 A,N, = PA 3020
Inspector's Signature Commission	National Board, State, Province, and Endorsements
Date MARCH, 20 2012	
Daio	

1. Owner	Exelon Gener Nan	ation Company, LL	.с	Date	Noven	nber 28. 2011	
		lav. Kennett Squar	e. PA 19348	Sheet	of	22	
2. Plant	Limerick Gen	erating Station		Unit		common	·
	Nar 3146 Sanatog	ne a Road, Pottstown,	PA 19464		Work 0	Order No. R1178819	
	Addr			Re	epair Organization	on P.O. No., Job No.	etc.
3. Work Performed by <u>Exelon Nuclear</u> Name				Type Code Authorizatio	Type Code Symbol Stamp None Authorization No. Not applicable		
	3146 Sanato Addr	ga Road, Pottstow ess	n. PA 19464	Expiration C)ate	Not applica	ble
4. Identification of \$	System <u>RHR sen</u>	rice water	(System 0	12) Line No. I	1BC-091		
(b) Applicable	Construction Code Edition of Section X Section XI Code C	XI Utilized for Repa	irs / Replacer	ion, <u>Winter 197</u> nent Activity 20 <u>01 e</u>	4 Adden	nda, <u>N/A</u> nda through 2003	Code Case
6. Identification of (Components		•			•	
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	n Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
(56) 3/4" Flange Studs	Nova Machine	Heat Code 6F13	N/A	* 114-92566 PO# 046922	N/A	installed	No
(112) 3/4" Flange Nuts	Nova Machine	Heat Codes 1K43, P670 and 0W61	N/A	* 116-12111 PO# 180864-260 1622 and 2459	9, N/A	Installed	No
				·			
			٠.			·	
* Traceability per E	xelon stock code n	umber.	· · · · · · · · · · · · · · · · · · ·	L			·
7. Description of was 8. Tests conducted		ge studs & nuts on Pneumatic 🗇	RHRSW A-s	pray network distribe Operating Pressure	ution piping.		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks None		 		
	Applicable Manufacturer's Da	ata Reports to be attached	·	
				 ,
	·			
	· · · · · · · · · · · · · · · · · · ·		 	
	CERTIFICATE OF	COMPLIANCE		
certify that the statements made in the	report are correct and that th	ils conforms to the requireme	nts of the ASME Code, Section	n XI.
Type Code Symbol Stamp	-			
Certificate of Authorization No			Expiration Date	
			 '	, <u>, , , , , , , , , , , , , , , , , , </u>
Signed J. H.	Kramer, site weld administra	tor Date Novem	ber 28, 20 <u>11</u>	
Owner or Owner's Designee,	IDE	•		
			·····	
	CERTIFICATE OF INSE	EDVICE INSPECTION	e e	
I, the undersigned, holding a valid co or Province of <u>Pennsylvania</u>	mmission issued by the Natk	HSRCT 1	•	of
Hartfe	ord, CT	have i	nspected the components des	cribed
in this Owner's Report during the per	ord, CT iod	to 11/30	in and sta	ate that
to the best of my knowledge and beli Owner's Report in accordance with th	ef, the Owner has performed	examinations and taken con	ective measures described in	this
By signing this certificate neither			essed or implied, concerning th	ne
examinations and corrective measure	s described in this Owner's F	Report. Furthermore, neither t	he Inspector nor his employer	
shall be liable in any manner for any p	personal injury or property da	mage or a loss of any kind ar	ising from or connected with the	nis
inspection.	11			
MIMILY		1.1 1707	7 1 1 - 01 727	
	Commission Commission	ns /U/) 1371	7 A, N, T PA 302, Province, and Endorsements	.0
Inspector's Signature		National Board, State	, Province, and Endorsements	}
Date 30 NOVEMBER	20 1 1		·	

1. Owner		ation Company, LL	С	Date	Aug	ust 30, 2011			
	Nan	18							
	200 Exelon W Addr		e. PA 19348	Sheet 1	_ of				
2. Plant	Limerick Gen	erating Station		Unit		common			
	Nan								
	3146 Sanatog	a Road, Pottstown,	PA 19464		Work C	rder No. R1170268			
	Addr	ess		Repai	r Organizatio	n P.O. No., Job No.	etc.		
3. Work Performed	by Exelon Nucle	ear		Type Code Syn	nbol Stamp	None			
	Nar	ne		Authorization N	0	Not applicat	ole		
	3146 Sanato Addr	ga Road, Pottstowr ess	n. PA 19464	Expiration Date		Not applicat	ole		
4. Identification of S	System RHR sen	rice water	(System 0	12) Line No. HBC	-507				
7. 130/18/1008007/01/01		100 110,01	10,0.0,110						
5. (a) Applicable Construction Code ASME III 19.74 Edition, Winter 1974 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A									
6. Identification of C	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)		
(56) 3/4" Flange Studs	Nova Machine	Heat Code K702 & 6B76	N/A	* 114-92566 PO# 180864- 481372 & 045844	N/A	Installed	No		
(112) 3/4" Flange Nuts	Nova Machine	Heat Code 0W61	N/A	* 116-12111 PO# 180864-2459	N/A	installed	No		
					٠.	· .			
······································						 			
					·				
* Traceability per E	xelon stock code r	umber.							
	7. Description of work: Replaced flange studs & nuts on RHRSW B-spray network distribution piping. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Cother NA psi Test Temp. NA °F.								

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks None				·-··-
r ·	Applicable Manufacti	urer's Data Reports t	o be attached	
	·			
		-		
	· ·			
			:	
		<i>:</i>		
	·		·	
	CERTIFIC	ATE OF COMPLIAN	ine	
	CERTIFIC	AIE OF COMPLIAN	ICE	
certify that the statements made in the	ne report are correct an	d that this conforms	to the requirements of the	ASME Code, Section XI.
ype Code Symbol Stamp	NA		•	•
, , , , , , , , , , , , , , , , , , , ,				
ertificate of Authorization No			,	ration Date
ligned Q. H. Ka J. I	l. Kramer, site weld ad	ministrator Da	ate August 30.	, 2011
Owner or Owner's Designed	, Title	:		
				
•	CERTIFICATE (OF INSERVICE INSI	PECTION	•
I, the undersigned, holding a valid	commission issued by	the National Board of	: Boiler and Pressure Vess	el Inspectors and the State
or Province of Pennsylvania		yHS	BCT	of
in this Owner's Report during the p	rtford, CT eriod 3/u/u		to 1/(5/()	the components described and state that
to the best of my knowledge and b				
Owner's Report in accordance with	the requirements of the	ASME Code, Section	on XI.	•
By signing this certificate neithe	er the Inspector nor his	employer makes an	y warranty, expressed or in	nplied, concerning the
examinations and corrective measu	res described in this O	wner's Report. Furth	ermore, neither the Inspec	tor nor his employer
shall be liable in any manner for an	y personal injury or prop	perty damage or a lo	ss of any kind arising from	or connected with this
inspection.	<i>^</i>	:		
No HAID			**	
MM / ()	$\ell / \ell \sim$	mmissions NB	13977 ANT	PA 3070
Inspector's Signatur	re CO	Natio	nal Board, State, Province	and Endorsements
				,
Date 15 NOVEMBER	_20_ / \			
		•	•	•

1. Owner	Exelon Gene	ration Company, LL	С	Date	Novem	nber 28, 2011			
		Vay, Kennett Square	e. PA 19348	Sheet1	of	2			
2. Plant	Limerick Gen Nar	erating Station ne		Unit		common			
<u></u>	3146 Sanatoga Road, Pottstown, PA 19464 Address				Work C	on P.O. No., Job No.	etc.		
3. Work Performed by <u>Exelon Nuclear</u> Name				Type Code Sym Authorization No					
<u> </u>	3146 Sanato Addi	ga Road, Pottstown	. PA 19464	Expiration Date	·	Not applical	ole		
4. Identification of \$	System <u>RHR ser</u>	vice water	(System 0	12) Line No. HBC	-091				
(b) Applicable	Edition of Section		rs / Replacen	ion, <u>Winter 1974</u> nent Activity 20 <u>01 editio</u>			_Code Case		
6. Identification of 0	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)		
(56) 3/4" Flange Studs	Nova Machine	Heat Code 6F13	N/A	* 114-92566 PO# 046922	N/A	Installed	No		
(112) 3/4" Flange Nuts	Nova Machine	Heat Codes J642, 0W61, P670 & B87035	N/A	* 116-12111 PO# 180864- 481058, 2459, 1622 & 348474	N/A	installed	No		
	·								
	l: Hydrostatic 🗆	ge studs & nuts on	Nominal C	pray network distribution perating Pressure °F.	piping, Exempt	<u> </u>			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks None
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
, , , , , , , , , , , , , , , , , , , ,
Certificate of Authorization No NA Expiration Date NA
Signed O. J. H. Kramer, site weld administrator Date November 28, , 2011
Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of
in this Owner's Report during the period
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 NB B977 ANI PA 3020
Inspector's Signature National Board, State, Province, and Endorsements
Date 30 NOVEMBER 20 (1
Date

1. Owner	Exelon Gener	ration Company, LL	c	Date	Jan	uary 20, 2012			
	Nan	ne							
	200 Exelon W Addr		e. PA 19348	Sheet 1	of	2	<u> </u>		
2. Plant		erating Station	<u>.</u>	Unit		common			
	Nar	ne							
	3146 Sanatoga Road, Pottstown, PA 19464					rder No. R1205761			
	Addr	ess		Repair	Organizatio	n P.O. No., Job No.	etc.		
3. Work Performed	by _Exelon Nucl	ear		Type Code Sym	bol Stamp	None			
	Nar			Authorization No	o	Not applicat	ole		
3146 Sanatoga Road, Pottstown, PA 19464 Expiration Date Not applicable Address							ole		
4. Identification of S	4. Identification of System RHR service water (System 012) Line No. HBC-507								
(a) Applicable Construction Code ASME III 19.74 Edition, Winter 1974 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A 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)		
(56) 3/4" Flange Studs	Curtis Wright Nova	Heat Code 6M55	N/A	* 114-92566 PO# 048737	N/A	Installed	No		
(112) 3/4" Flange Nuts	Curtis Wright Nova	Heat Code 6F11	N/A	* 116-12111 PO# 180864-3508	N/A	Installed	No		
:									
* Traceability per E	xelon stock code r	umber.							
7. Description of w	ork: Replaced flan	ae studs & nuts on	RHRSW D-s	pray network distribution	n pipina.				
	l: Hydrostatic		Nominal C	Operating Pressure "F.					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

). Remarks_None	
Applicable Manufacturer's Data Reports to be attached	
	—
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.	
Type Code Symbol Stamp NA	
Certificate of Authorization No. NA Expiration Date	N
Signed J. H. Kramer, site weld administrator Date January 20, 2012 Owner or Owner's Designee, Title	
Owner or Owner's Designed, Title	
	_
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT	ate of
Hartford, CT have inspected the components describe	æd
in this Owner's Report during the period 11/19/12 to 3/11/12 and state the to the best of my knowledge and belief the Owner has performed examinations and taken corrective measures described in this	at
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.	
M. XX / Y XX	
Inspector's Signature Commissions NB 13977 A, N, Y DA 3020 National Board, State, Province, and Endorsements	-
- Manchel \	
Date FIFTLOFT 2012	

1. Owner		ration Company, LL	С	Date	Ma	arch 26, 2012	
	Nar	ne		<i>2</i>	•		
	200 Exelon V Add	Vav. Kennett Squar	9. PA 19348	Sheet1	of	3	
			•	· ·	•		
2. Plant	Limerick Gen Na	erating Station		Unit	c	ommon	
	-			· .		·	
	3146 Sanatoo Add	<u>a Road. Pottstown.</u> ress	PA 19464			C0238642 & C02390 on P.O. No., Job No.	
				•			•
3. Work Performed	lby <u>Exelon Nucl</u> Na			Type Code Sym	ibol Stamp D.	None Not applical	ble
	0146 60-01	er Dood Dettetour					
	S146 Sanato Add	ga Road, Pottstown ress		Expiration Date		Not applicat	Ole
A Identification of 5	Svetom RHR	Service Water (Svetom (12)	Line No. Hi	: 3C-001-01		
							<u> </u>
5. (a) Applicable (b) Applicable	Construction Code Edition of Section	ANSI B31.7 XI Utilized for Repa	19 69 irs / Replacer	Edition, <u>March 19</u> nent Activity 2001 edition	71Add n with adder	enda, <u>N/A</u> nda through 2003	_Code Case
		ase(s) N/A		·		Ida Biloagii 2000	
6. Identification of 6	Components						
			,			·	
			l	a		Corrected,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Removed, or Installed	Code
			No.				(Yes or
	·						No)
HBC-091-H002 (6 Feet)	Nucor Steel	Heat No. 2109303	N/A	* 114-93032	N/A	installed	No
W10 X 33	Nucor Steel	2103303	1 1	PO# 046080	IVA	IIIStalled	140
HBC-091-H002		Heat No.		****		,	1
(3 Feet) 5 x 5 x	Hanna Steel	B0R6381	N/A .	* 114-92351 PO# 046054	N/A	Installed	No
1/2 Tube steel	<u> </u>		ļ <i>-</i>			* 	
HBC-091-H002 Gusset Stiffeners	Nucor Steel	Heat No. B0X8245-04	N/A	* 114-04936	N/A	Installed	No
3/8" Plate Steel	Nucor Steel	BUX0240-04		PO# 046537	<u> </u>		No
HBC-091-H002	Colonial	Heat No.	N/A	* 114-87974	N/A	Installed	No
3/4" Shim Plates	Machine	C1759		PO# 049219			
HBC-091-H002	Colonial	Heat No.	N/A	* 114-87974	N/A	Installed	No
1/4" Shim Plate	Machine	A1D176		PO# 049219			
HBC-091-H002	Colonial	Heat No.	N/A	* 114-87974	N/A	Installed	. No
3/16" Shim Plate * Traceability per E	Machine	C0588	<u> </u>	PO# 049219		·	<u> </u>
Traceability per t	xelon slock code i	iumber.				9	
7. Description of w	ork <u>: Removed and</u>	re-installed 30" pir	e supports fo	or pipe replacement.			
8. Tests conducted	•			Operating Pressure	Exempt		
NOTE: Sunnler	Other □ nental sheets in fo	N/A psi Test		<u>VA</u> °F. ∶may be used, provided	(1) size 8 1	19 in x 11 in 19) info	nma-
tion in items 1 ti	hrough 6 on this re			and (3) each sheet is nur			
recorded at the	top of this form.						

1.	Owner	Name				Date March 26, 2012			
		200 Exelon V Add	Vay, Kennett Squar ress	e. PA 19348	Sheet2	_ of	` 3		
2.	Plant		erating Station me		Unit	С	ommon		
			a Road, Pottstown, ress	PA 19464			C0238642 & C02390 on P.O. No., Job No. (
3.	Work Perform	ed by <u>Exelon Nuc</u> Na	lear me	-	Type Code Syn Authorization N				
		3146 Sanato Add	oga Road, Pottstown ress	n. PA 19464	Expiration Date		Not applicat	ole	
4.	Identification (of System RHR Se	rvice Water	(System 0	12) Line No. HB	C-091-01	 		
5.	(d) Applicat		XI Utilized for Repa	irs / Replacer	n, <u>March 1971</u> nent Activity 20 <u>01 editio</u>				
6.	Identification (of Components							
	Name of	Name of	Manufacturer	National	Other Identification	Year	Corrected, Removed, or	ASME Code	

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)
HBC-091-H003 (6 Feet) W10 X 33	Nucor Steel	Heat No. 2109303	N/A	* 114-93032 PO# 046080	N/A	Installed	No
HBC-091-H003 (3 Feet) W6 X 20	Nucor Steel	Heat No. 2108706	N/A	* 114-93013 PO# 046055	N/A	Installed	No
HBC-091-H003 Gusset Stiffeners 3/8" Plate Steel	Nucor Steel	Heat No. B0X8245-04	N/A	* 114-04936 PO# 046537	N/A	Installed	No
HBC-091-H003 1/2" Shim Plate	Colonial Machine	Heat No. 2N617	N/A	* 114-87974 PO# 049219	N/A	Installed	No
HBC-091-H003 5/16" Shim Plate	Colonial Machine	Heat No. A1P0954	N/A	* 114-87974 PO# 049219	N/A	installed	No
HBC-091-H003 1/4" Shim Plate	Colonial Machine	Heat No. A1D176	N/A	* 114-87974 PO# 049219	N/A	Installed	No

^{*} Traceability per Exelon stock code number.

••	ta Reports to be attached
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	•
CERTIFICATE OF	COMPLIANCE
ertify that the statements made in the report are correct and that this	s conforms to the requirements of the ASME Code, Section XI.
/pe Code Symbol StampNA	
ertificate of Authorization NoNA	Expiration Date
igned J. H. Kramer, Site weld admir	nistrator Date March 26, 2012
Aires Oleanda Danisson Title	
wner or Owner's Designee, Title	
wher or Owner's Designee, 1 title	
CERTIFICATE OF INSER	RVICE INSPECTION
CERTIFICATE OF INSE! I, the undersigned, holding a valid commission issued by the Nation	nal Board of Boiler and Pressure Vessel Inspectors and the St
CERTIFICATE OF INSEI I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by	nal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT
CERTIFICATE OF INSEI I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by	nal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period	nal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT have inspected the components describe to 4/5/17, and state the
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period 1/5/11 to the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME O	nal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT have inspected the components describe to 4/5/17, and state the examinations and taken corrective measures described in this Code, Section XI.
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period Where has performed to the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the Inspector nor his employed.	hal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT have inspected the components describe to 4/5/17, and state the examinations and taken corrective measures described in this Code, Section XI. r makes any warranty, expressed or implied, concerning the
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period in the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in this Owner's Report	hal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT have inspected the components describe to 4/5/17, and state the examinations and taken corrective measures described in this Code, Section XI. r makes any warranty, expressed or implied, concerning the eport. Furthermore, neither the Inspector nor his employer
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period Interpretation of the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME Of By signing this certificate neither the Inspector nor his employe examinations and corrective measures described in this Owner's Reshall be liable in any manner for any personal injury or property dame	hal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT have inspected the components describe to 4/5/17, and state the examinations and taken corrective measures described in this Code, Section XI. r makes any warranty, expressed or implied, concerning the eport. Furthermore, neither the Inspector nor his employer
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period in the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in this Owner's Report	hal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT have inspected the components describe to 4/5/17, and state the examinations and taken corrective measures described in this Code, Section XI. r makes any warranty, expressed or implied, concerning the eport. Furthermore, neither the Inspector nor his employer
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period in the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the Inspector nor his employe examinations and corrective measures described in this Owner's Reshall be liable in any manner for any personal injury or property daminspection.	have inspected the components describe to \(\frac{4/5/12}{15/12} \), and state the examinations and taken corrective measures described in this Code, Section XI. r makes any warranty, expressed or implied, concerning the eport. Furthermore, neither the inspector nor his employer hage or a loss of any kind arising from or connected with this
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period in the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the Inspector nor his employe examinations and corrective measures described in this Owner's Reshall be liable in any manner for any personal injury or property daminspection.	have inspected the components describe to \(\frac{4/5/12}{15/12} \), and state the examinations and taken corrective measures described in this Code, Section XI. r makes any warranty, expressed or implied, concerning the eport. Furthermore, neither the inspector nor his employer hage or a loss of any kind arising from or connected with this
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period in the best of my knowledge and belief, the Owner has performed of Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the Inspector nor his employe examinations and corrective measures described in this Owner's Reshall be liable in any manner for any personal injury or property daminspection.	hal Board of Boiler and Pressure Vessel Inspectors and the Sta HSBCT have inspected the components describe to 4/5/17, and state the examinations and taken corrective measures described in this Code, Section XI. r makes any warranty, expressed or implied, concerning the eport. Furthermore, neither the Inspector nor his employer
I, the undersigned, holding a valid commission issued by the Nation or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period in the best of my knowledge and belief, the Owner has performed a Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the requirements of the ASME Owner's Report in accordance with the Inspector nor his employe examinations and corrective measures described in this Owner's Reshall be liable in any manner for any personal injury or property daminspection.	have inspected the components described to 4/5/17, and state the examinations and taken corrective measures described in this code, Section XI. If makes any warranty, expressed or implied, concerning the export. Furthermore, neither the Inspector nor his employer hage or a loss of any kind arising from or connected with this last MR 13977 A.N.T. PA 3000

1. Owner	Exelon Gene Nar	ration Company, LL	c	Date	Apı	il 25, 2011	
 -		Vay, Kennett Squar	e, PA 19348	Sheet1	_ of	2	
2. Plant	Limerick Gen Na	erating Station ne	 	Unit	Com	mon	
	3146 Sanatog Add	a Road, Pottstown.	PA 19464		Order No. C	:0234919 :n P.O. No., Job No.	etc.
3. Work Performed		ear ne	· · · · · · · · · · · · · · · · · · ·		ibol Stamp	None	
	3146 Sanato Add	ga Road, Pottstow ress	n, PA 19464	Expiration Date		Not applica	ble
4. Identification of	System_RHR Serv	ice Water (Sy	stem 012)	Line No. HBC-	507-H003		
(b) Applicable	Edition of Section Section XI Code C	ANSI B31.7 XI Utilized for Repa ase(s) <u>N/A</u>	irs / Replacer	Edition, <u>March 197</u> nent Activity 20 <u>01 editio</u>	71Adder	nda, <u>N/A</u> da through 2003	_Code Case
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)
HBC-507-H003 Steel Shim Plate	Nucor (Macsteel)	Heat No. B9R5678-04	N/A	* 114-15878 PO# 001897-990	N/A	Corrected	No
							:
·							<u> </u>
					.,		
7. Description of w	ork: Repaired 30"	RHRSW pipe supp	oort HBC-507	-H003		:	
8. Tests conducted			Nominal Op emp. <u>N//</u>	•	Exempt		
NOTE: Supplem	mental sheets in for	m of lists. sketches	s. or drawings	may be used, provided	(1) size 8 1/	2 in. x 11 in (2) info	oma-

tion in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	Applicable Man	ufacturer's Data Report	s to be attached	
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·				_
	CERT	TIFICATE OF COMPLI	ANCE	
ertify that the statement:	s made in the report are corre	ect and that this conform	ns to the requirements of the ASME Code, Section >	d.
ne Code Symbol Stamp	NA NA			
-			A Property of the Control of the Con	
ertificate of Authorization	n NoNA		Expiration Date	
4 11	K IN Kmm		tor Date <u>April 25</u> , 20 <u>11</u>	
igned Chamas AT.		er. site welo aoministra		
igned Owner or Owner	's Designee, Title	er, site weld administra	lor Date April 25 , 2011	_
owner or Owner	's Designee, Title	er, site weid administra	101 Date April 25 , 2011	
igned Wher or Owner	's Designee, Title	er, site weld administra	Date April 25 , 2011	
Gwner or Owner	's Designee, Title			
O Mner or Owner	's Designee, Title	ATE OF INSERVICE IN	ISPECTION	
Owner or Owner I, the undersigned, hold	's Designee, Title CERTIFIC/	ATE OF INSERVICE IN	ISPECTION If of Boiler and Pressure Vessel Inspectors and the S	
Owner or Owner I, the undersigned, hold	's Designee, Title CERTIFICA ding a valid commission Issue and employ	ATE OF INSERVICE IN	ISPECTION If of Boiler and Pressure Vessel Inspectors and the S	_ 0
I, the undersigned, hold or Province of Pe	CERTIFICA ding a valid commission issue annsylvania and employ	ATE OF INSERVICE IN and by the National Board by	ISPECTION If of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descri-	_ 0
I, the undersigned, hold or Province of Pe	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period	ATE OF INSERVICE IN ad by the National Board yed by	ISPECTION If of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descri-	o ibed tha
I, the undersigned, hold or Province of Pe in this Owner's Report of to the best of my knowl Owner's Report in accordance.	CERTIFICA ting a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements	ATE OF INSERVICE IN ad by the National Board yed by I-13-11 as performed examinat of the ASME Code, Se	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI.	oi ibed tha
I, the undersigned, hold or Province of Pe in this Owner's Report to the best of my knowl Owner's Report in according this certification.	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements ifficate neither the Inspector no	ate of inservice in a d by the National Board yed by	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI. any warranty, expressed or implied, concerning the	oi ibed tha
I, the undersigned, hold or Province of Pe in this Owner's Report to the best of my knowl Owner's Report in according signing this certific examinations and correct of the correct of the correct of the correct owner's Report in according to the correct owner or report of the correct owner owne	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements ifficate neither the Inspector noctive measures described in the commission of the commission	ate of inservice in a d by the National Board yed by	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI. any warranty, expressed or implied, concerning the rithermore, neither the Inspector nor his employer	oi ibed tha s
I, the undersigned, hold or Province of Pe in this Owner's Report to to the best of my knowl Owner's Report in according this certific examinations and correspall be liable in any ma	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements ifficate neither the Inspector noctive measures described in the commission of the commission	ate of inservice in a d by the National Board yed by	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI. any warranty, expressed or implied, concerning the	of ibed tha s
I, the undersigned, hold or Province of Pe in this Owner's Report to the best of my knowl Owner's Report in according signing this certific examinations and correct of the correct of the correct of the correct owner's Report in according to the correct owner or report of the correct owner owne	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements ifficate neither the Inspector noctive measures described in the commission of the commission	ate of inservice in a d by the National Board yed by	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI. any warranty, expressed or implied, concerning the rithermore, neither the Inspector nor his employer	of ibed tha s
I, the undersigned, hold or Province of Perind in this Owner's Report of to the best of my known Owner's Report in according signing this certic examinations and correct shall be liable in any main inspection.	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements ifficate neither the Inspector no ctive measures described in the anner for any personal injury of the commission of the commissi	ate of inservice in a d by the National Board yed by	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI. any warranty, expressed or implied, concerning the rithermore, neither the Inspector nor his employer a loss of any kind arising from or connected with this	oi ibed tha s
I, the undersigned, hold or Province of Perind in this Owner's Report of to the best of my known Owner's Report in according signing this certic examinations and correct shall be liable in any main inspection.	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements ifficate neither the Inspector no ctive measures described in the anner for any personal injury of the commission of the commissi	ate of inservice in a d by the National Board yed by	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI. any warranty, expressed or implied, concerning the rithermore, neither the Inspector nor his employer a loss of any kind arising from or connected with this	oi ibed tha s
I, the undersigned, hold or Province of Perind in this Owner's Report of to the best of my known Owner's Report in according signing this certic examinations and correct shall be liable in any main inspection.	CERTIFICA ding a valid commission issue annsylvania and employ Hartford, CT during the period edge and belief, the Owner hardance with the requirements ifficate neither the Inspector no ctive measures described in the anner for any personal injury of the commission of the commissi	ate of inservice in a d by the National Board yed by	d of Boiler and Pressure Vessel Inspectors and the SHSBCT have inspected the components descrite 5-4-/1, and state ions and taken corrective measures described in thiction XI. any warranty, expressed or implied, concerning the rithermore, neither the Inspector nor his employer	of ibed tha s

1. Owner		<u>neration Company, LLC</u> Name	<u> </u>	Date	Ma	arch 21, 2012			
		Way. Kennett Square	PA 19348	Sheet	1 of	2			
2. Plant	Limerick Ge	enerating Station	·	Unit		1			
		Name							
		oga Road, Pottstown,	PA 19464	<u>y</u>	Vork Order No.	R1095890 & R1050	762		
	A	ddress			lepair Organizat	on P.O. No., Job No	o. etc.		
3. Work Performe		clear Name	Type Code Authorizati	Type Code Symbol Stamp None Authorization No. Not applicable					
	31/6 Sans	atoga Road, Pottstown	DA 10464			Not appli			
***		ddress	. 13104			NOT appli	cable		
4. Identification of	System Nuclea	r Boiler (System (041)	Line No.	APE-1MS	HV-041	-1F022A		
5. (a) Applicable	Construction Cod	de ASME III	19 <u>68</u> Ed	ition, Summer 19	70_Addenda,	N/A	Code Case		
(b) Applicable	 Edition of Section 	on XI Utilized for Repair Case(s) N/A	irs or Replace	ements 20 <u>01 edition</u>	n with addenda t	through 2003.			
6. Identification of	•				v				
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)		
MSIV Pneumatic Control Manifold	Automatic Valve Corp.	B68363	N/A	* 114-72935	N/A	Installed	No		
MSIV Pneumatic Control Manifold	Automatic Valve Corp.	B67219	N/A	* 114-72935	N/A	Removed	No		
-									
		,							
* Traceability per l	Exelon Part Code	Number.							
7. Description of V	Vor <u>k: Replaced m</u>	nain steam isolation va	ılve pneumati	c control manifold	with refurbished	manifold.			
8. Tests conducte	ed: Hydrostatic Other	☐ Pneumatic ☐ N Pressure 94		ating Pressure m Temp. <u>N/A</u> °F.					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: Pneumatic control manifol	Id S/N B68363 was previously instal Applicable Manufacturer's Data F	led at HV-041-1F028B. It was rem	oved in 1R13 refuel outage
	· ·	•	
under work order R1031646 and refu	rbished under work order R1050762) 	
MSIV HV-041-1F022A was construct	ed to ASME III. The pneumatic con	trol manifold and air operator was s	upplied with the MSIV.
had made a construction of an analysis of the ACO	AC III	•	•
but not constructed or certified to ASM	<u>//⊂ III.</u>		**********
·	,		
·	CERTIFICATE OF CO	MPLIANCE	
I certify that the statements made in	the report are correct and that this	s conforms to the requirements of	the ASME Code, Section XI.
Type Code Symbol Stamp			
Certificate of Authorization No	NA .	Expirati	on DateNA
Signed	J.H. Kramer site weld administra	ator Date March 21	2012
Owner or Owner's Designer	e, Title	Julio Maior El	<u> </u>
	- 	· · · · · · · · · · · · · · · · · · ·	
	· · · · · · · · · · · · · · · · · · ·		
	CERTIFICATE OF INSERVI	CE INSPECTION	
I, the undersigned, holding a valid	commission issued by the National	Board of Boiler and Pressure Vess	el Inspectors and the State
or Province of <u>Pennsylvania</u> Ha	and employed by:	HSBCT have inspected	of the components described
in this Owner's Report during the p	period	to 9/25/12	, and state that
to the best of my knowledge and b Owner's Report in accordance with	pelief, the Owner has performed exa the requirements of the ASME cod	minations and taken corrective me e. Section XI.	asures described in this
By signing this certificate neith	er the inspector nor his employer m	akes any warranty, expressed or in	nplied, concerning the
examinations and corrective measi	ures described in this Owner's Repo ly personal injury or property damag	ort. Furthermore, neither the Inspec	tor nor his employer
inspection.	y personal injury or property damag	e or a loss or any kind ansing norm	Of Coffinected With Bills
M/1/5)4	0 00		
Inspector's Signatur	Commissions_	NB 13977 AN I National Board, State, Province	RA 3020
		National Board, State, Province	, and Endorsements
Date APRIL 25	2012	. •	

								
1. Owner		eration Company, ame	пс		Date	M	ay 10, 2012	
		Way, Kennett Squ dress	are, PA 1934	8	Sheet _	of	2	
2. Plant		nerating Station ame		· .	Unit		1	·
 		oga Road, Pottstov dress	vn PA 19464			Work Ord Repair Organizat	er No. R0999683 ion P.O. No., Job No.	etc.
3. Work Perform	ed by <u>Exelon Nu</u> N	clear	 		Type Co	de Symbol Stamp	N/A	
·	3146 Sanat	oga Road, Pottstor dress	wn PA 19464	<u>_</u>	Expiratio	n Date	N/A	
4. Identification of	of System: <u>Nuclear</u>	Boiler Main Steam	(Syster	m 041)	Line No.	APE-1MS	MSIV HV	041-1F022B
(b) Applicab (c) Applicab	e Construction Code le Edition of Section le Section XI Code of Components Rep	n XI Utilized for Re Case(s) <u>None</u>	pairs or Repla —	cements	: 2001 edi	itton, <u>N/A</u> Ad tion with addenda	denda, <u>N/A</u> through 2003	_Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Identi	ther ification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
26" MSIV Stem & Pilot Poppet Assembly	Weir Valves & Controls	Pilot Poppet Heat No. 241412 S/N 2	N/A		-64490 037185	2010	Installed	Yes
26" MSIV Main Poppet	Weir Valves & Controls	Heat No. T7879 S/N K5353-1	N/A		-02080 037186	2011	Installed	Yes
·						·		
·					<u>.</u>			
							· %	
-, -	r Exelon stock code							
 Description of Tests conduct 	•		Nominal	tin poppe Operatin VA °F.	g Pressure	n / pilot poppet as ⇒ □ Exempt		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	Applicable	e Manufacturer's Data Report	s to be attached	
		· · ·		
		CERTIFICATE OF COMPLIA	ANCE	
certify that the statements n	nade in the report are	e correct and that this conform	is to the requirements of the	ASME Code, Section XI.
Type Code Symbol Stamp_	NA NA		·	
	Kram	NA J.H. Kramer (site weld ac		
	CER	TIFICATE OF INSERVICE IN	SPECTION	
	g a valid commission	issued by the National Board	of Boiler and Pressure Vess	of
in this Owner's Report dur to the best of my knowled Owner's Report in accorda By signing this certific examinations and corrective	sylvania and e Hartford, CT ring the period ge and belief, the Ov unce with the requirer ate neither the Insperse re measures describe	wher has performed examinating the ASME Code, Sector nor his employer makes and in this Owner's Report. Furniury or property damage or a	have inspected to 5/24/12 ions and taken corrective meaction XI. any warranty, expressed or in thermore, neither the Inspect loss of any kind arising from	asures described in this applied, concerning the tor nor his employer or connected with this
in this Owner's Report dur to the best of my knowled Owner's Report in accorda By signing this certific examinations and corrects shall be liable in any mann	Hartford, CT ing the period ge and belief, the Ownce with the requirer ate neither the Insper we measures describe eer for any personal in	wher has performed examination ments of the ASME Code, Sector nor his employer makes and in this Owner's Report. Furniury or property damage or a Commissions	have inspected to 5/24/12 ions and taken corrective meaction XI. any warranty, expressed or in thermore, neither the Inspect	and state that asures described in this asures described in this applied, concerning the tor nor his employer or connected with this

		· · · · · · · · · · · · · · · · · · · 						
1. Owner		neration Company, LL	C	Date	М	arch 21, 2012		
	ľ	Name	`					
	200 Exelon	Way, Kennett Square	. PA 19348	Sheet	1 of	2		
	. A	ddress	,		,		•	
2. Plant	Limerick Ge	enerating Station		Unit		11		
Z. 1 Idill		Vame						
	21.46 Canat	ione Dood Betteteum	DA 10464	14	forte Order No.	D100E000 0 D10E0	400	
		oga Road, Pottstown, ddress	FA 19404			R1095889 & R1050- tion P.O. No., Job No.		
- 144 4 - 4		•						
3. Work Performe		clear Name	I ype Code Authorizati	Type Code Symbol Stamp None Authorization No Not applicable				
	-							
		<u>atoga Road, Pottstowr</u> ddress	n, PA 19464	Expiration	Date	Not applie	cable	
					,			
4. Identification of	f System <u>Nuclea</u>	r Boiler (System (041)	Line No.	APE-1MS	HV-041-	1F022B	
5. (a) Applicable	Construction Co	de ASME III	19 <u>68</u> Ed	lition, Summer 19	70_Addenda,_	N/A	Code Case	
(b) Applicable	e Edition of Section	on XI Utilized for Repa	irs or Replace	ements 20 <u>01 edition</u>	with addenda	through 2003.		
(c) Applicable	e Section XI Code	Case(s) N/A					•	
6. Identification of	f Components	•		• • •				
	Y		,	r	T		,	
Name of	Name of	Manufacturer	National	Other	Year Built	Corrected.	ASME Code Stamped	
Component	Manufacturer	Serial No.	Board	Identification	I Gar Duit	Removed or	(Yes or	
·			No.			Installed	No)	
MSIV Pneumatic	Automatic					•		
Control Manifold	Valve Corp.	52956	N/A	* 114-72935	N/A	Installed	No	
			 		 	 		
MSIV Pneumatic Control Manifold	Automatic Valve Corp.	D53419	N/A	114-72935	N/A	Removed ⁻	No	
	14.10 00.5.]			1		'''	
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	}		}-	}		:		
	1	·		<u> </u>	<u> </u>	<u> </u>	<u> </u>	
* Traceability per I	Exelon Part Code	Number.						
7. Description of V	Vor <u>k: Replaced m</u>	nain steam isolation va	alve pneumat	ic control manifold	with refurbished	manifold.		
8. Tests conducte	ed: Hydrostatic	☐ Pneumatic ☐ N	Jominal Oss	ating Procesure =	Exempt D			
o. Tesis conducte	Other			Temp. <u>N/A</u> °F.				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: Pneumatic control manifold S/N 52956 was previously installed at HV-041-1F028A. It was removed in 1R13 refuel outage Applicable Manufacturer's Data Reports to be attached
under work order R1031619 and refurbished under work order R1050426.
MSIV HV-041-1F022B was constructed to ASME III. The pneumatic control manifold and air operator was supplied with the MSIV.
MSIV HV-041-1F0225 was constructed to ASIVIE III. The predmatic control manifold and an operator was supplied with the MSIV.
but not constructed or certified to ASME III.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described
in this Owner's Report during the period \\\\^13/12 to \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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.
M. H 19 01 - NR 13977 AN - 00 2020
Commissions (Commissions (Commission) (Commi
Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature Commissions National Board, State, Province, and Endorsements Date APRIL 25 2012

Add								
200 Exelon Way, Kennett Square, PA 19348 Address				Sheet	of	2	 	
Plant Limerick Generating Station Unit 1						1		
	oga Road, Pottstov dress	wn PA 19464		Work Order No. R0999693 Repair Organization P.O. No., Job No. etc.				
				Type Code Symbol Stamp No.				
3146 Sanatoga Road, Pottstown PA 19464 Address					Expiration DateN/A			
stem: Nuclear	Boiler Main Steam	<u>(Syster</u>	n 041)	Line No.	APE-1MS	MSIV HV	-041-1F022C	
dition of Section ection XI Code	n XI Utilized for Re Case(s) <u>None</u>	pairs or Repla —	cements	: 2001 edit	ition, <u>N/A</u> Acion with addenda	ddenda, <u>N/A</u> a through 2003	_Code Case	
Name of lanufacturer	Manufacturer Serial No.	National Board No.			Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)	
/eir Valves & Controls	Pilot Poppet Heat No. 240196 S/N 1	N/A		7	2010	Installed	Yes	
Atwood & Morrill	Heat No. D2899 S/N 3	N/A	•		1995	Installed	Yes	
elon stock code	number.		<u> </u>					
	elon stock code	Exelon Nuclear Name 3146 Sanatoga Road, Pottstor Address Instruction Code ASME Pump & Main Steam Instruction Code ASME Pump & Main of Section XI Utilized for Resection XI Code Case(s) None Imponents Repaired or Replaced Manufacturer Manufacturer Manufacturer Manufacturer Serial No. Pilot Poppet Heat No. 240196 S/N 1 Atwood & D2899 S/N 3 Pilot Poppet Heat No. 240196 S/N 1 Atwood & D2899 S/N 3	Exelon Nuclear Name 3146 Sanatoga Road, Pottstown PA 19464 Address Instruction Code ASME Pump & Valve Draft dition of Section XI Utilized for Repairs or Replacetion XI Code Case(s) None Imponents Repaired or Replaced and Replacer Manufacturer Serial No. Pilot Poppet Heat No. 240196 S/N 1 Atwood & D2899 S/N 3 N/A Pelon stock code number.	Exelon Nuclear Name 3146 Sanatoga Road, Pottstown PA 19464 Address Instruction Code ASME Pump & Valve Draft 1968 (Instruction of Section XI Utilized for Repairs or Replacements ection XI Code Case(s) None Imponents Repaired or Replaced and Replacement Continuation (Identification of Section XI Code Case) Instruction Code ASME Pump & Valve Draft 1968 (Instruction of Section XI Utilized for Repairs or Replacements or Replacements or Replacement Continuation (Instruction XI Code Case(s) None Instruction Code ASME Pump & Valve Draft 1968 (Instruction XI Code Case(s) None Imponents Repaired or Replaced and Replacement Continuation (Identification (Instruction Code Instruction (Identification	Type Coc Authoriza 3146 Sanatoga Road, Pottstown PA 19464 Address stem: Nuclear Boiler Main Steam (System 041) Line No. Instruction Code ASME Pump & Valve Draft 19.68 Edition of Section XI Utilized for Repairs or Replacements: 2001 edit ection XI Code Case(s) None Imponents Repaired or Replaced and Replacement Components Mame of Manufacturer Serial No. Board No. Identification Veir Valves & Pilot Poppet Heat No. 240196 S/N 1 Atwood & D2899 S/N 3 N/A LS 692318A Pilot Poppet Heat No. D2899 S/N 3 N/A LS 692318A	Type Code Symbol Stamp Authorization No	Name Authorization No. N/A 3146 Sanatoga Road, Pottstown PA 19464 Expiration Date N/A Address Setem: Nuclear Boiler Main Steam (System 041) Line No. APE-1MS MSIV HV Instruction Code ASME Pump & Valve Draft 19 68 Edition, N/A Addenda, N/A diffion of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 ection XI Code Case(s) None Imponents Repaired or Replaced and Replacement Components Name of Manufacturer Serial No. Board No. Identification Year Built Corrected, Removed or Installed Peir Valves & Controls Pilot Poppet Heat No. 240196 S/N 1 N/A PO# 039930 2010 Installed Atwood & Morrill Peat No. D2899 S/N 3 N/A LS 692318A 1995 Installed	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks : Manufacturers data reports	are traceable by Exelon work Applicable Manufacturer's D	corder package and purchase or Pata Reports to be attached	der.	
Main poppet Heat No. D2899 S/N 3 wa	as removed from MSIV HV-04	1-1F022B and machined to fit in	to HV-041-1F022C.	
		· · · · · · · · · · · · · · · · · · ·		
	·			
·		1 4 1 1 to 1		
	CERTIFICATE O	F COMPLIANCE		
certify that the statements made in th	e report are correct and that t	his conforms to the requirements	s of the ASME Code, Sect	tion XI.
Type Code Symbol Stamp	NA			
Certificate of Authorization No	NA		Expiration Date	
Signed V Designee	J.H. Kramer (site weld administrator) Date	May 10	20 <u>12</u>
;	CERTIFICATE OF INS	ERVICE INSPECTION		
I, the undersigned, holding a valid of	commission issued by the Nat	ional Board of Boiler and Pressu HSBCT	re Vessel Inspectors and	the Stat
or Province of Pennsylvania Har in this Owner's Report during the po	tford, CT	have ins	pected the components d	escribed
to the best of my knowledge and be Owner's Report in accordance with	alief, the Owner has performed the requirements of the ASME or the Inspector nor his employ res described in this Owner's	d examinations and taken correct E Code, Section XI. yer makes any warranty, express Report. Furthermore, neither the	tive measures described sed or implied, concerning Inspector nor his employ	in this the er
Mutto Color Inspector's Signatur	Commissi	ions NB 13477 A National Board, State, F	rovince, and Endorsemer	<u>020</u>
Date MAY 24	_20(}			

1. Owner		eration Company, LL	Date	M	arch 21, 2012				
		Way, Kennett Square	o, PA 19348	Sheet	1 of	2			
2. Plant		enerating Station		Unit		1			
	·	lame							
		oga Road, Pottstown, Idress	PA 19464	<u>W</u>		R1095888 & R1040 tion P.O. No., Job No			
3. Work Performe		elear Name	•	Type Code Authorization	Type Code Symbol Stamp None Authorization No. Not applicable				
3146 Sanatoga Road, Pottstown, PA 19464 Address				Expiration	Expiration Date Not applical				
4. Identification of	System Nuclea	r Boiler (System	041)	Line No.	APE-1MS	HV-041	1F022C		
5. (a) Applicable Construction Code <u>ASME III</u> 19 68 Edition, <u>Summer 1970</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 2001 edition with addenda through 2003. (c) Applicable Section XI Code Case(s) <u>N/A</u>							Code Case		
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)		
MSIV Pneumatic Control Manifold	Automatic Valve Corp.	B67220	N/A	* 114-72935	N/A	Installed	No		
MSIV Pneumatic Control Manifold	Automatic Valve Corp.	B68362	N/A	* 114-72935	N/A	Removed	No		
* Traceability per I	xelon Part Code	Number.							
7. Description of V	Vor <u>k: Replaced m</u>	ain steam isolation va	alve pneumati	c control manifold v	vith refurbished	l manifold.			
8. Tests conducte	ed: Hydrostatic Other	☐ Pneumatic ☐ N _ Pressure 94		ating Pressure Femp. N/A °F.					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Hemarks: Pneumatic control manifold S/N 86/220 was previously installed at HV-041-2F028B. It was removed in 2H10 fertiel outage Applicable Manufacturer's Data Reports to be attached
under work order R0998081 and refurbished under work order R1040626.
MSIV HV-041-1F022C was constructed to ASME III. The pneumatic control manifold and air operator was supplied with the MSIV.
but not constructed or certified to ASME III.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of
or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/17/12 to 4/25/12 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
to allo pool of till talounougo and benefit allo benefit and benefit and allowed an appropriate at the
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.
nh HODD
Commissions N/2 A,N, I 13977 PA 30 TO Inspector's Signature National Board, State, Province, and Endorsements
Date APRIL 25, 2012

1. Owner		neration Company, LL Name	с	Date	Ma	arch 21, 2012	
	•						
		<u>Way, Kennett Square</u> ddress	. PA 19348	Sheet	1 of	2	·
2. Plant		enerating Station Name		Unit		1	
	04.40.0===+	and Date of	DA 40404		lani Ondan Na	D4005007 8 D4000	400
		<u>oga Road, Pottstown,</u> ddress	PA 19464			R1095887 & R1020 ion P.O. No., Job N	
2 Work Performe	d hu Evelen Nu	clear		Tyrne Code	Symbol Stamp	None	
3. Work renomie		Name		Authorization	on No.	Not appli	cable
3146 Sanatoga Road, Pottstown, PA 19464				Expiration I	Date	Not appli	cable
	A	ddress		•			
4. Identification of System Nuclear Boiler (System 041) Line No. APE-1MS HV-041-1F022D						-1F022D	
5. (a) Apolicable	Construction Co	de ASME III	19 68 Ed	ition. Summer 19	70 Addenda.	N/A	Code Case
(b) Applicable	e Edition of Section	on XI Utilized for Repa	irs or Replace	ments 2001 edition	with addenda	hrough 2003.	
(с) Аррисари	e Section XI Code	Case(s) <u>N/A</u>					
6. Identification of	Components						
Name of Component	Name of Manufacturer	Manufacturer Senal No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
MSIV Pneumatic Control Manifold	Automatic Valve Corp.	D24623	N/A	.* 114-72935	N/A	Installed	No
MSIV Pneumatic Control Manifold	Automatic Valve Corp.	D52728	N/A	* 114-72935	N/A	Removed	No
* Traceability per I	Exelon Part Code	Number.					
7. Description of V	Vor <u>k: Replaced m</u>	ain steam isolation va	alve pneumati	c control manifold v	vith refurbished	manifold.	
8. Tests conducte	ed: Hydrostatic Other			ating Pressure Temp. <u>N/A</u> °F.	Exempt	· ·	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

 Remarks: Pneumatic control manifold S/N D24623 was previously installed at HV-041-2F028A. It was removed in 2R10 refuel outal Applicable Manufacturer's Data Reports to be attached
under work order R0998079 and refurbished under work order R1020406.
MSIV HV-041-1F022D was constructed to ASME III. The pneumatic control manifold and air operator was supplied with the MSIV.
MSIV NV-041-1F022D was constructed to ASME III. The prediffianc control marillold and all operator was supplied with the MSIV.
but not constructed or certified to ASME III.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section
Type Code Symbol Stamp NA
Signed
Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
or Province of Pennsylvania and employed by HSBCT Hartford, CT have inspected the components describe
in this Owner's Report during the period \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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.
in 4 A D II
111/11 19 11 Commissions NR 13977 1 N.T. 04 307.0
Commissions WB 13977 A, N, T PA 3D20 Inspector's Signature National Board, State, Province, and Endorsements
Date APPIL 25 2012
·

1. Owner		eration Company.	пс	Date _		larch 14, 2012			
···		Way, Kennett Squ dress	are, PA 1934	Sheet	1 of	2			
2. Plant		nerating Station ame	·	Unit _	······································				
	3146 Sanatoga Road, Pottstown PA 19464 Address					der No. C0239796 tion P.O. No., Job No.	etc.		
Work Performed by <u>Exelon Nuclear</u> Name					Type Code Symbol Stamp N/A Authorization No. N/A				
3146 Sanatoga Road, Pottstown PA 19464 Expiration Date N/A Address									
4. Identification of	4. Identification of System: Nuclear Boiler Main Steam (System 041) Line No. APE-1MS MSRV PSV-041-1F013D								
(b) Applicab (c) Applicab	 5. (a) Applicable Construction Code <u>ASME Pump & Valve Draft</u> 19 68Edition, <u>March 1970</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) <u>N-508-3, N-686-1</u> 6. Identification of Components Repaired or Replaced and Replacement Components 								
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)		
MSRV Body Assembly	Target Rock	169	. N/A	* 114-80949 PO# 045853	N/A	Installed	Yes		
MSRV Pilot Assembly	Target Rock	030	N/A	* 114-80949 PO# 045853	N/A	Installed	Yes		
MSRV Body Assembly	Target Rock	164	N/A	N/A	N/A	Removed	Yes		
MSRV Pilot Assembly	Target Rock	031	N/A	N/A	N/A	Removed	Yes		
				` 					
7. Description of	* Traceability per Exelon stock code number. 7. Description of work: Replaced main steam relief valve and pilot with previously installed reworked relief valve & pilot. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Exempt Other 1040 PSI Test Temp. 542 °F.								

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks : Manufacturers data reports are traceable by Exelon work order package and purchase order. Applicable Manufacturer's Data Reports to be attached
Relief valve refurbishment completed by NWS Technologies "VR" stamp No. 632 and "NR" stamp No. 81.
·
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date N/
Signed J.H. Kramer (site weld administrator) Date March 14. , 2012 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 12/19/11 to 3/21/17 and state that
in this Owner's Report during the period 12/19/11 to 5/21/17 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.
nutro o m
Inspector's Signature Commissions NS 13977 A, N, T PA 30 76 National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date PA 9 21 2017

	Essian Con			D-4-		A	
1. Owner		eration Company. ame	LLC	Date _		April 24, 2012	
		Way, Kennett Squ dress	uare, PA 1934	8 Sheet		22	
2. Plant	Limerick Ge	enerating Station		Unit		1	
	N	ame		•	•		•
		oga Road, Pottstor	wn PA 19464			der No. R1165544 tion P.O. No., Job No.	etc.
2 Mark Borform				Time C	. •	•	
3. Work Performed by <u>Exelon Nuclear</u> Name					ode Symbol Stam zation No.	N/A	
		oga Road, Pottsto dress	wn PA 19464	Expirat	ion Date	N/A	
4. Identification of	of System: Nuclear	Boiler Main Stean	n (Syste	m 041) Line No	APE-1MS	MSRV PSV-	041-1F013E
(b) Applicab (c) Applicab	e Construction Cod le Edition of Section le Section XI Code of Components Rep	n XI Utilized for Re Case(s) <u>N-508</u>	pairs or Repla -3. N-686-1	cements: 2001 e	dition with addend	O_Addenda, <u>N/A</u> a through 2003	_code Case
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)
MSRV Body Assembly	Target Rock	148	N/A	* 114-80949 PO# 045853 & 044071	N/A	Installed	Yes
MSRV Pilot Assembly	Target Rock	020	N/A	* 114-80949 PO# 045853 & 044071	N/A	Installed	Yes
MSRV Body Assembly	Target Rock	185	N/A	N/A	N/A	Removed	Yes
MSRV Pilot Assembly	Target Rock	004	N/A	N/A	N/A	Removed	Yes
* Traceability per	Exelon stock code	number.			,	······································	
	work: Replaced material Hydrostatic Other		Nominal	Operating Pressu	stalled reworked re re Exempt		·

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

W/O No. R1165544 Sheet 2 of 2

A	pplicable Manufacturer's Data Reports to be attached
Relief valve refurbishment completed by N	WS Technologies "VR" stamp No. 632 and "NR" stamp No. 81.
	CERTIFICATE OF COMPLIANCE
I certify that the statements made in the re	eport are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampN	Α
Certificate of Authorization No	NA Expiration DateN
Signed Owner or Owner's Designee, Tit	J.H. Kramer (site weld administrator) Date <u>April 24.</u> , 20 <u>12</u> tle
	CERTIFICATE OF INSERVICE INSPECTION
i, the undersigned, holding a valid com-	mission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
	and employed byof
in this Owner's Report during the period	d CT have inspected the components described by the compon
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 examinations and corrective measures	e Inspector nor his employer makes any warranty, expressed or implied, concerning the described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any per	rsonal injury or property damage or a loss of any kind arising from or connected with this
inspection.	2 1
INITITIE D	
The Ice	Commissions NB 13977 A, NJ PA 3020
Inspector's Signature	National Board, State, Province, and Endorsements
Date MAY 21 20	12

1. Owner		eration Company.	пс	Da	te		A	pril 24, 2012	
		Way, Kennett Squ dress	uare. PA 1934	8 She	et	_1_	of	2	
2. Plant		enerating Station ame	· · · · · · · · · · · · · · · · · · ·	Unit1			1		
		oga Road, Pottsto	wn PA 19464					er No. R1165538 ion P.O. No., Job No.	etc.
3. Work Performed by <u>Exelon Nuclear</u> Name				Tyl	Type Code Symbol StampN/A				
3146 Sanatoga Road, Pottstown PA 19464 Address									
4. Identification of System: Nuclear Boiler Main Steam (System 041) Line No. APE-1MS MSRV PSV-041-1F013L									
 5. (a) Applicable Construction Code <u>ASME Pump & Valve Draft</u> 19 68 Edition, <u>March 1970</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) <u>N-508-3</u>, <u>N-686-1</u> 6. Identification of Components Repaired or Replaced and Replacement Components 									
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identificat	ion	Yea	ar Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
MSRV Body Assembly	Target Rock	160	N/A	* 114-809 PO# 04585 044071	53 &		N/A	Installed	Yes
MSRV Pilot Assembly	Target Rock	007	N/A	* 114-809 PO# 04585 044071	38		N/A	Installed	Yes
MSRV Body Assembly	Target Rock	186	N/A	N/A			N/A	Removed	Yes
MSRV Pilot Assembly	Target Rock	044	N/A	N/A			N/A	Removed	Yes
					<u>. </u>				
• •	r Exelon stock code work: Replaced m		ulve and pilot	with previous	v insta	alled re	worked rel	lef valve & pilot.	
	ted: Hydrostatic		Nominal (Operating Pro					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

W/O No. R1165538 Sheet 2 of 2

Remarks : Manufacturers data reports are traceable by Exelon work order package and purchase order. Applicable Manufacturer's Data Reports to be attached
Relief valve refurbishment completed by NWS Technologies "VR" stamp No. 632 and "NR" stamp No. 81.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed J.H. Kramer (site weld administrator) Date April 24, 2012 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described
in this Owner's Report during the period 10/25/11 to 5/15/17, 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.
MAT / CUL Commissions NB 13977 4,N I PA 3020
Inspector's Signature National Board, State, Province, and Endorsements
Date MAY 15 20/2

1. Owner Exelon Generation Company, LLC Name					Date April 24, 2012			
		Way, Kennett Squ dress	are, PA 1934	<u>8</u> S	Sheet _	_1of		
2. Plant		nerating Station ame	·	(Jnit		1	**
-,		oga Road, Pottstov dress	wn PA 19464				der No. R1165534 tion P.O. No., Job No.	etc.
3. Work Performed by <u>Exelon Nuclear</u> Name					Type Code Symbol StampN/A			
		oga Road, Pottsto	wn PA 19464		Expiration	n Date	N/A	
4. Identification of	of System: Nuclear	Boiler Main Steam	n (Syster	m 041) <u>l</u>	ine No.	APE-1MS	MSRV PSV-	041-1F013M
(b) Applicab (c) Applicab	e Construction Code le Edition of Section le Section XI Code of Components Rep	XI Utilized for Re Case(s) <u>N-508</u>	pairs or Repla -3, N-686-1	acements: 2	2001 edit	n, <u>March 1970</u> ion with addenda)_Addenda, <u>N/A</u> a through 2003	Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Othe Identific	- ∣	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
MSRV Body Assembly	Target Rock	164	N/A	* 114-8 PO# 045 0440	853 &	N/A	Installed	Yes
MSRV Pilot Assembly	Target Rock	023	N/A	* 114-8 PO# 045 0440	5853 &	N/A	Installed	Yes
MSRV Body Assembly	Target Rock	163	N/A	N/	4	N/A	Removed	Yes
MSRV Pilot Assembly	Target Rock	039	N/A	N/	Α	N/A	Removed	Yes
			<u> </u>					
7. Description of	work: Replaced m ted: Hydrostatic Other	ain steam relief va		Operating I		alled reworked re Exempt		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks : Manufacturers data reports are traceable by Exelon work order package and purchase order. Applicable Manufacturer's Data Reports to be attached
Relief valve refurbishment completed by NWS Technologies "VR" stamp No. 632 and "NR" stamp No. 81.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date N
Signed J.H. Kramer (site weld administrator) Date April 24. , 2012 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT
in this Owner's Report during the period 10/25/1 to 5/15/12 and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Inspector's Signature Commissions N/3 i 3977 A, N, T PA 30 20 National Board, State, Province, and Endorsements
Date MAY 15 2012.

Exelon Generation Company, LLC Name					Date		April 24, 2012	
			Way, Kennett Squ dress	are, PA 1934	Sheet _	of	2	
2. Pla	ınt		nerating Station ame		Unit	· .:	1	
			oga Road, Pottstov dress	vn PA 19464	· — —		tion P.O. No., Job No.	etc.
Work Performed by <u>Exelon Nuclear</u> Name				Type Co Authoriz	de Symbol Stamp ation No.	N/A N/A		
			oga Road, Pottstor	wn PA 19464	Expiration	on Date	N/A_	
4. Ide	entification o	of System: Nuclear	Boiler Main Steam	n (Syste	m 041) Line No.	APE-1MS	MSRV PSV-	041-1F013N
5. (a) (b) (c)	Applicab	e Construction Code le Edition of Section le Section XI Code	n XI Utilized for Re	pairs or Repla	cements: 2001 ed	on, <u>March 1970</u> ition with addenda	Addenda, N/A through 2003	Code Case
6. Ide	entification o	of Components Rep	aired or Replaced	and Replacer	ment Components			
	me of ponent	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
	MSRV Assembly	Target Rock	170	N/A	* 114-80948 PO# 045853 & 044071	N/A	Installed	Yes
	MSRV Assembly	Target Rock	018	N/A	* 114-80948 PO# 045853 & 044071	N/A	Installed	Yes
	ASRV Assembly	Target Rock	183	N/A	N/A	N/A	Removed	Yes

Target Rock

028

MSRV

Pilot Assembly

7.	Description of work:	Replaced	<u>main steam relie</u>	f valve a	ind pilot with previously installed	reworked relief valve & pilot.
8.	Tests conducted:	Hydrostatic	□ Pneumation		Nominal Operating Pressure	Exempt
		Other 🗆	_ <u>1046</u> PSI	Test Te	emp. <u>171</u> °F.	·

N/A

N/A

Removed

Yes

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

N/A

^{*} Traceability per Exelon stock code number.

Remarks : Manufacturers data reports are traceable by Exelon work order package and purchase order. Applicable Manufacturer's Data Reports to be attached
Relief valve refurbishment completed by NWS Technologies "VR" stamp No. 632 and "NR" stamp No. 81.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed J.H. Kramer (site weld administrator) Date April 24, 2012 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period V3/17 to 5/24/12, 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 NB 13677 A, N, I PR 3020 National Board, State, Province, and Endorsements
Date MAY 21 2012

1. Owner	Exelon Gene Nar	ration Company, LL	c	Date		rch 30, 2012	
•	200 Exelon V Add	Sheet1_	_ of	3			
2. Plant		erating Station		Unit		1	
		a Road, Pottstown, ress	PA 19464	Repa		No. C0239356 on P.O. No., Job No.	etc.
3. Work Performed		ear me	·	Type Code Syr Authorization N	nbol Stamp	None Not applical	ole
	3146 Sanato Add	ga Road, Pottstown	n. PA 19464			Not applical	ole
4. Identification of_	Nuclear Boiler, Ma	ain Steam	(System 0	41) Line No. GBC	>101-03	Pipe Support	H-141
(b) Applicable	Edition of Section Section XI Code C	ANSI B31.7 XI Utilized for Repa ase(s) N/A	irs / Replacen	on, <u>March 1971</u> nent Activity 20 <u>01 editic</u>	Addeno on with adde	da, N/A nda through 2003	_Code Case
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)
GBC-101-H141 Piece No. 9 3/4 " Plate	Nucor Steel	Heat# 4100245	N/A	*114-84946 PO# 046536	N/A	Installed	No
GBC-101-H141 Piece No. 24 Strut End Attachment	Bergen Power Products	Part# 1000-130	N/A	*114-90925 PO# 046213	N/A	Installed	No
GBC-101-H141 Piece No. 26 (14") W12 X 40	Nucor Steel	Heat# 2104576	N/A	*114-93038 PO# 046257	N/A	Installed	No
GBC-101-H141 Piece No. 27 & 29 1/2" Plate Steel Stiffeners	Nucor Steel	Heat# BOS6577-02 S/N H1B	N/A	*199-52368 PO# 049453	N/A	Installed	No
* Traceability per E	xelon stock code r	iumber.					
7. Description of w	ork: <u>Modified pip</u>	e support in accorda	ance with Exe	elon design change ECF	3 09-00504	· · · · · · · · · · · · · · · · · · ·	
8. Tests conducted				Operating Pressure N °F.			•

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

		- 1945 - 1945 - 194 5 - 1946						
1. Owner	eration Company, LL me	Date	Date March 30, 2012					
		Vay, Kennett Squar	e. PA 19348	Sheet2	_ of	3		
2. Plant	Plant Limerick Generating Station				Unit1			
·		na Road, Pottstown, ress	PA 19464			r No C0239356 on P.O. No., Job No. 6	etc.	
3. Work Performed		lear me		Type Code Sym Authorization No	Type Code Symbol Stamp None Authorization No. Not applicable			
	oga Road, Pottstowr ress	Expiration Date		Not applicat	ole			
4. Identification of	System <u>Nuclear B</u>	oiler, Main Steam	(System 0	141) Line No. GBC	101-03	Pipe Suppo	ort H-141	
(d) Applicable	Edition of Section Section XI Code C		irs / Replacer	ion, <u>March 1971</u> nent Activity 20 <u>01 editio</u>			ode Case	
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)	
GBC-101-H141 Piece No. 30 (4) 7/8" cap screw	Curtis Wright Nova	Heat# CR529990 Trace No. 6D83	N/A	*116-12945 PO# 046231	N/A	Installed	No	
GBC-101-H141 Piece No. 31 (4) 7/8" hex nuts	Curtis Wright Nova	Heat# 251919 Trace No. 6D84	N/A	*116-12186 PO# 046231	N/A	Installed	No	
				·				
		 		 		 	+	

9. Remarks None	
Applicable Manufacturer's Data Reports to be attached	
	
	
CERTIFICATE OF COMPLIANCE	
	· ·
I certify that the statements made in the report are correct and that this conforms to the requirements of the AS	ME Code, Section XI.
Type Code Symbol StampNA	··
Certificate of Authorization No. NA Expirati	on Date NA
Signed J.H. Kramer, site weld administrator Date March 30	2012
Owner or Owner's Designee, Title	
	· · · · · · · · · · · · · · · · · · ·
OFFICARE OF INCEDURE INCEDURE	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel or Province of Pennsylvania and employed by HSBCT	nspectors and the State of
in this Owner's Report during the period 1/12/17 to 4/30/12_	
in this Owner's Report during the period 1/12/12 to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measurements.	, and state that res 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 impli- examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector	ea, concerning the 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.	
7/1 / 1 / 1 / 1 / 2 / 2 / 2 / 2 / 2 / 2 /	301.6
Commissions NB 13477 A,N, T PA Inspector's Signature Commissions NB 13477 A,N, T PA National Board, State, Province, ar	nd Endorsements
Date 30 APRIL 2012	
Date	

1 0	Evolon C	operation Company		Data		formh 21, 2012	
1. Owner		eneration Company Name	<u>, LLC</u>	Date		larch 21, 2012	
		on Way, Kennett So Address	uare, PA 1934	8Sheet _	1 of	2	
2. Plant	Limerick (Generating Station		Unit		1	
		Generating Station Name					
	3146 San	atoga Road, Pottst	own PA 19464		Work	Order No. R1162430	
	,	Address	• . •		Repair Organiza	tion P.O. No., Job No.	etc.
3. Work Perfor	med by <u>Exelon I</u>	Nuclear			de Symbol Stamp		
		Name		Authoriza	ation No.	N/A	·
		natoga Road, Potts Address	town PA 19464	Expiration	n Date	N/A_	
4. Identification	n of System_React	or Recirculation Pu	mp (Syster	m 043) Line No.	VRR-1RD	Pump 1	3-P201
Applicable Construction Code <u>ASME III</u> 19.89 Edition, <u>N/A</u> Addenda, <u>N/A</u> Code (b) Applicable Edition of Section XI Utilized for Repair / Replacement Activity: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) <u>None</u>					Code Case		
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)
1B-P201 Recirc Pump Mechanical Seal	Borg-Wamer	321099 B-W Job No. 95-EP-3224	N/A	* 114-98951 PO# LS-600125	1996	Installed	Yes
1B-P201 Recirc Pump Mechanical Seal	Borg-Wamer	311084 B-W Job No. 94-EP-3750	N/A	* 114-98951 PO# LS-696633	1994	Removed	Yes
* Traceability	per Exelon stock co	de number.	·	<u> </u>	<u> </u>	<u> </u>	<u> </u>
7. Description	of work: Replaced	reactor recirculation	n pump mecha	nical seal cartridge	·		
8. Tests condu	•	c □ Pneumatic 1045 psi T	•	•	Exempt		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: Manufacturers data reports are traceable by purchase order and work order package.
Applicable Manufacturer's Data Reports to be attached
Mechanical seal S/N 321099 was removed from recirc pump 2B-P201 in 2R11 under work order R1072132 and rebuilt under work order
Wild retired Seed City Or 1993 Web Territored from 1991/0 Party 2011 11 2111 Grand Work Order 11101 2102 and 1994/11 Grand Work Order
R1162430, prior to installation.
OPPOPEDATE OF COMPULATION
CERTIFICATE OF COMPLIANCE
I certify that the statements made in this report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization NoNA Expiration DateNA
Signed J.H. Kramer (site weld administrator) Date March 21 , 2011
Owner's Designee, Title
OPPTEIO ATT OF INOFPNIAT INOPPOTON
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
Built of Built to the state and a conferred for HODOF
Hartford CT have inspected the components described
in this Owner's Report during the period 1/18/12 to 4/25/12, 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.
$n_{1}/1/1/1/1$
1/1/1/1/1/1/1/1/1/1/2 12977 ANT VA 30/0
Commissions NB 13977 A,N, I PA 3020 Inspector's Signature National Board, State, Province, and Endorsements
mapociona agriculte inational board, alato, movinde, and broofsements
Date APRIL 25, 2012

								
1. Owner	Owner Exelon Generation Company, LLC Name					arch 18, 2012		
		Way, Kennett Squ dress	are, PA 19348	Sheet _	of	2		
2. Plant	Limerick Ge N	enerating Station ame		Unit		1		
		oga Road, Pottstoy dress	vn PA 19464		Work Repair Organizat	Order No. C0242098 ion P.O. No., Job No. (etc.	
3. Work Perform	ed by <u>Exelon Nu</u> N	clear ame		Type Co	Type Code Symbol Stamp N/A Authorization No. N/A			
	3146 Sanat	oga Road, Pottstor dress	wn PA 19464	Expiratio	Expiration DateN/A			
4. Identification of	of System: Reactor	Recirculation	(Systen	n 043) Line No.	DCA-177 P	ipe Support SP-DCA-1	77-E1-H007	
(b) Applicab	e Construction Cod le Edition of Section le Section XI Code	n XI Utilized for Re	pairs or Repla	ion, <u>March 197</u> cements: 2001 edi	1_Addenda, tion with addenda	N/A Code C through 2003	Case	
6. Identification of	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)	
SP-DCA-177- E1-H007	Bergen- Patterson	Part Number MS4A-2	N/A	SPH-651G	N/A	Corrected	No	
* Traceability pe	r Exelon stock code	number.	M	 	·			
	work: Reset variat					·		
8. Lests conduc	ted: Hydrostatic Other =	∐ Pneumatic ∐ <u>VA</u> PSI Test			e ☐ Exempt			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: None
Applicable Manufacturer's Data Reports to be attached
OPPORTIONATE OF COMPULANCE
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Type Code Symbol Stamp
Certificate of Authorization NoNAExpiration DateNA
Signed
Ovarier or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>PENNIY L JANIA</u> and employed by <u>HSBCT</u> of Hartford, CT have inspected the components described
in this Owner's Report during the period 3/7/12 to 5/2/17, 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.
MITTER DO WIT 17677 AALT OA 747
Commissions W/3 / 3977 4, N, I PA 30 20 Inspector's Signature National Board, State, Province, and Endorsements
$Date$ $MH9$ Z_{20}/Z

1 Owner	Exelon Gen	eration Company	II.C	Date	Λ	March 18, 2012			
Officer		ume				70.01. 701 20 70			
		Way, Kennett Squ dress	are, PA 19348	Sheet _	1of				
2. Plant		nerating Station	·	Unit		1			
	3146 Sanato	oga Road, Pottstov dress	vn PA 19464	· · ·	Worl	COrder No. C0242064 ation P.O. No., Job No.	oto .		
3. Work Perform	ed by <u>Exelon Nu</u>	21000	·	Type C	ode Symbol Stam	p N/A			
	Na	ame		Authoria	zation No	N/A			
		oga Road, Pottstov dress	wn PA 19464	Expirati	on Date	N/A_			
4. Identification of	of System: Reactor	Recirculation	(System	043) Line No	DCA-185	Pipe Support SP-DCA-1	185-E1-H001		
(b) Applicab (c) Applicab	(a) Applicable Construction Code ANSI B31.7 19 69 Edition, March 1971 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) 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)		
SP-DCA-185- E1-H001	Bergen- Patterson	Part Number 3400	N/A	None	N/A	Corrected	No		
									
* Traceability ne	r Exelon stock code	number.	L	<u></u>		<u> </u>	<u> </u>		
7. Description of 8. Tests conduc	work: <u>Reset variab</u> ted: Hydrostatic (Other □ <u>N</u>	le support spring d ☐ Pneumatic ☐ //A PSI Test	Nominal (Operating Pressu					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks	: None
-	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
I certify tha	at the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Time Ond	e Symbol StampNA
	• • • • • • • • • • • • • • • • • • • •
Certificate	of Authorization No NA Expiration Date NA
Signed	J.H. Kramer (site weld administrator) Date March 18, , 2012
	Owner's Designee, Title
	·, ,
	CERTIFICATE OF INSERVICE INSPECTION
I the u	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Prov	ince of PONSYLVANIA and employed by HSBCT of
in thin (Hartford, CT have inspected the components described
to the b	Owner's Report during the period, and state that sest 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 atlons and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
	liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspecti	
11	(10T) D DI
M	Commissions NS 13977 A, N, I PA 30 ZO Inspector's Signature National Board, State, Province, and Endorsements
	Inspector's Signature National Board, State, Province, and Endorsements
Date	MAY 2 2012
Date	

									
1. Owner	Exelon Gen	eration Company, ame	пс	Date	Ma	arch 18, 2012			
		Way, Kennett Squ dress	are, PA 1934	Sheet _	of	2			
2. Plant		nerating Station		Unit	· ·	1			
	3146 Sanato Ade	oga Road, Pottstov dress	vn PA 19464		Work Repair Organizat	Order No. C0242063 ion P.O. No., Job No.	etc.		
3. Work Perform	ed by <u>Exelon Nu</u> N	clear ame	 	Type Co Authoriz	de Symbol Stamp ation No.	N/A N/A			
***************************************		oga Road, Pottstor dress	<u>wn PA 19464</u>	Expiration	n Date	N/A			
4. Identification of	of System: Reactor	Recirculation	(Systen	n 043) Line No.	DCA-185 P	pe Support SP-DCA-1	85-E1-H005		
(b) Applicab (c) Applicab	 (a) Applicable Construction Code <u>ANSI B31.7</u> 19 69 Edition, <u>March 1971</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) <u>None</u> 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)		
SP-DCA-185- E1-H005	Bergen- Patterson	Part Number MS4A-2	N/A	SPH-651G	N/A	Corrected	No		
			t.		:				
* Traceability pe	r Exelon stock code	number.		 			<u>.h.,,.,.</u>		
	work: Reset variable ted: Hydrostatic Other N		Nominal (Operating Pressure		<u> </u>			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Type code Symbol Statip
Certificate of Authorization No. NA Expiration Date N
Olimand On It K
Signed
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNS ILVANIA and employed by HSBCT of
Hartford, CT have inspected the components described
in this Owner's Report during the period
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.
MISIND II
MM / CC Commissions NB 13977 A.N.I. PA 30 ZO
Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements Date MAY Z 20 / Z.

1.	Own	er Exelon Generation Company, LLC	Date	June 11, 2012
		Name	•	
		200 Exelon Way, Kennett Square, PA 19348 Address	Sheet 1 of	4
2.	Plant	Limerick Generating Station Name	Unit	1
		3146 Sanatoga Road, Pottstown, PA 19464 Address		er No. C0239368 on P.O. No., Job No. etc.
3.	Work	Performed by Exelon Nuclear	Type Code Symbol Stamp	None
٠.		Name	Authorization No.	
		3146 Sanatoga Road, Pottstown, PA 19464 Address	Expiration Date	Not applicable
		Addiess		
4.	Ident	ification of System Reactor Recirculation (System 013 & 043)	Line No. SP-HBC-191-F	E4 and E5
5.	(b)	Applicable Construction Code <u>ASME III</u> 1974 Edition, <u>W</u> Applicable Edition of Section XI Utilized for Repairs / Replacement Ad Applicable Section XI Code Case(s) <u>N-686-1</u>		
6.	Ident	ification 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)
SP-HBC-191-E4 (7) feet 2" NPS Pipe	Michigan Seamless Tube	Heat# 00A092767	N/A	*114-90045 PO# 009825 004408	N/A	Installed	N/A
SP-HBC-191-E4 (1) 2" NPS Flange	Western Forge and Flange	Heat No. A070552, Heat Code FKU-5	N/A	*114-90527 PO# 009825-4886	N/A	Installed	N/A
SP-HBC-191-E4 (1) 2" NPS Elbow	Bonney Forge	Lot No. 76996	N/A	*114-90818 PO# 009825-4850	N/A	Installed	N/A
SP-HBC-191-E4 (8) 5/8" Flange Studs	Curtis Wright (Nova)	Heat Code 6D33	N/A	*114-92559 PO# 046233	N/A	Installed	N/A
SP-HBC-191-E4 (16) 5/8" Flange Nuts	Curtis Wright (Nova)	Heat Code 5K91	N/A	*116-12090 PO# 180864-3377	N/A	Installed	N/A
SP-HBC-191-E4 Hanger H-1 SPH-601E	Bergen Power	Heat# S74168	N/A	*114-07276 PO# 182789-211	N/A	Installed	N/A
SP-HBC-191-E4 Hanger H-1 SPH-905D	Macsteel	Heat# BOX8245-04	N/A	*114-92855 PO# 001897-1118	N/A	Installed	N/A

^{*} Traceability per Exelon stock code number.

7.	Description of work:	Installed flanges t	o make spool piec	es removable for Recirc Pump M	otor interference removal.
8.	Tests conducted:	Hydrostatic	Pneumatic	Nominal Operating Pressure	Exempt
		Other 🗆175_	psi Test Temp.	<u>N/A</u> °F.	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1.	Owne	er <u>Exelon Generation Company, LLC</u> Name	Date	une 11, 2012
		200 Exelon Way, Kennett Square, PA 19348 Address	Sheet2 of	4
2.	Plant	Limerick Generating Station Name	Unit	1
	-	3146 Sanatoga Road, Pottstown, PA 19464 Address		r No. C0239368 n P.O. No., Job No. etc.
3.	Work	Performed by <u>Exelon Nuclear</u> Name	Type Code Symbol Stamp Authorization No.	
		3146 Sanatoga Road, Pottstown, PA 19464 Address	Expiration Date	Not applicable
4.	Identi	fication of System Reactor Recirculation (System 013 & 043)	Line No. SP-HBC-191-E4	and E5
5.	(b)	Applicable Construction Code <u>ASME III</u> 1974 Edition, <u>Wi</u> Applicable Edition of Section XI Utilized for Repairs / Replacement Ad Applicable Section XI Code Case(s) <u>N-686-1</u>		
6.	Iden	tification 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)
SP-HBC-191-E4 (3) 2" NPS Flange	Western Forge and Flange	Heat No. A090309, Heat Code FVV-A-3	N/A	*114-90527 PO# 009825-4534	N/A	Installed	N/A
SP-HBC-191-E5 (7) feet 2" NPS Pipe	Michigan Seamless Tube	Heat# 00A092767	N/A	*114-90045 PO# 009825 004408	N/A	Installed	N/A
SP-HBC-191-E5 (4) 2" NPS Flange	Western Forge and Flange	Heat No. A090309, Heat Code FVV-A-3	N/A	*114-90527 PO# 009825-4534	N/A	Installed	N/A
SP-HBC-191-E5 (1) 2" NPS Elbow	Bonney Forge	Lot No. 76996	N/A	*114-90818 PO# 009825-4850	N/A	Installed	N/A
SP-HBC-191-E5 (8) 5/8" Flange Studs	Curtis Wright (Nova)	Heat Code 6D33	N/A	*114-92559 PO# 046233	N/A	Installed	N/A
SP-HBC-191-E5 (16) 5/8" Flange Nuts	Curtis Wright (Nova)	Heat Code 5K91	N/A	*116-12090 PO# 180864-3377	N/A	Installed	N/A

* 7	Traceability per Exelo	on stock code num	nher			
	• •			es removable for Recirc Pump Mo	or interference	removal.
	Tests conducted:	Hydrostatic -		Nominal Operating Pressure		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

		As Required by the	ne Provisions	of the ASME Code Sect	ion XI		
1. Owner	Exelon Gene Na	ration Company, LL	c	Date		June 11, 2012	
	200 Exelon V Add	Vay, Kennett Squar ress	e, PA 19348	Sheet3_	_ of	4	
2. Plant	Limerick Gen	erating Station	·	Unit		1	
	3146 Sanatoo Add	a Road, Pottstown, ress	PA 19464			er No. C0239368 on P.O. No., Job No.	etc.
3. Work Performed		ear me	-	Type Code Syn Authorization N	nbol Stamp o.	None Not applica	bie
-	3146 Sanato	ga Road, Pottstown ress	n, PA 19464	Expiration Date		Not applica	ble
4. Identification of	System <u>Reactor Re</u>	ecirculation (S	vstem 013 & (043) Line No. SP	-HBC-191-E	4 and E5	
(d) Applicable (e) Applicable	Edition of Section Section XI Code C	ASME III 19 XI Utilized for Repa case(s) N-686-1	irs / Replacer	, <u>Winter 1974</u> ment Activity 20 <u>01 editio</u>	_Addenda, <u>n with adde</u>	N/A nda through 2003	_Code Case
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)
SP-HBC-191-E5 Hanger H-4 SPH-601F	Bergen Power	Heat# S74168	· N/A	*114-07276 PO# 182789-211	N/A	Installed	N/A
SP-HBC-191-E5, Hanger H-4 L3x3x3/8" Angle	Steel Dynamics	Heat# JG7203	N/A	*114-92716 PO# 001897-986	N/A	Installed	N/A
SP-HBC-191-E5 Hanger H-4 3/8" Base Plate	Macsteel	Heat# B0X8245-04	N/A	*114-92855 PO# 001897-1118	N/A	Installed	N/A
SP-HBC-191-E5 Hanger H-4 (4) 3/8" Hex Bolts	Nova Machine Products	Heat# CR179180 & RT7325864	N/A	*114-34745 PO# 180864-2234 & 3043	N/A	installed	N/A

*	Traceability per	Evelon	stock	ahm	number

Curtis Wright

(Nova)

SP-HBC-191-E5

Hanger H-4 (4) 3/8" Hex Nuts

7	Description of work:	Installed flances to	make spool pieces ren	novable for Recirc P	ump Motor interference remova	a)

N/A

8. Tests conducted: Hydrostatic Preumatic Mominal Operating Pressure Exempt Other 175 psi Test Temp. N/A °F.

Heat Code

5W39

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*116-12060

PO# 044746

N/A

Installed

N/Α

9. Remarks Work completed in accordance with Exelon design change ECR 09-00504.
Applicable Manufacturer's Data Reports to be attached
Pipe support work completed in accordance with ANSI B31.7, 1969 edition with addenda through March 1971.
SP-HBC-91-E4 Hanger H-1 pipe lug material justified by Exelon issue report 1362682-02.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization NoNAExpiration DateNA Signed KLAUS W. RUFPGER Wer PLANNER Date June 11, 2012
Signed KLAUS W. BUFPGER Wer WIT PLANNER Date June 11 , 2012
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of
in this Owner's Report during the period 1/14/12 to 6/12/12 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.
MITIPU
Commissions NB 13977 A.N. 7 PA 3020 Inspector's Signature National Board, State, Province, and Endorsements
Date

				الما الما الما البال بالتي التي التي التي التي التي التي التي 			
1. Owner	Exelon Gene Nar	ration Company. Ц	.c	Date	Man	ch 15, 2012	
	200 Exelon V Addı	/ay, Kennett Squar ess	e. PA 19348	Sheet 1	_ of	2	
2. Plant	<u>Limerick Gen</u> Nar	erating Station ne		Unit		1	
	3146 Sanatog Addi		PA 19464	Work Repai		0238886 on P.O. No., Job No.	etc.
3. Work Performed	l by <u>Exelon Nucl</u> Nai			Type Code Syn Authorization N	nbol Stamp o.	None Not applical	ole
	3146 Sanato Addi	ga Road, Pottstow ress	n, PA 19464	Expiration Date		Not applical	ole
4. Identification of \$	System_Reactor W	/ater Clean-Up (System 044)	Line No. DBB	105-01		
(b) Applicable	Edition of Section Section XI Code C	XI Utilized for Repa	19 <u>74</u> E irs / Replacer	dition, <u>Winter 1974</u> nent Activity 20 <u>01 editio</u>	Addend n with adder	la, N/A nda through 2003	_Code Case
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) Foot 4" NPS Pipe	United States Steel	Heat No. U21855	N/A	* 114-90066 PO# 009825-3734	N/A	Installed	No
(2) 4" NPS 90 Degree Pipe Elbows	Taylor Forge	Heat Code MWOL-1	N/A .	* 114-91556 PO# 050894	N/A	Installed	No
			,				
	·			·		,	
* Traceability per E	xelon stock code r	number and purcha	se order				
7. Description of w	ork: Replaced 4"	DBB-105-01 RWC	U pipe and fitt	ings for flow accelerated	d erosion.	·	
8. Tests conducted	•	Pneumatic and 1046 psi		_	Exempt		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks None				·		
-	Ap	plicable Manufacturer's D	ata Reports to be atta	ched		
						·
						nspectors and the State
						
		CERTIFICATE O	F COMPLIANCE			
•		•		•		ı XI.
•	-				•	N
Signed On	H . K.	JH Kramer site wel	d administrator	Date March	15 2012	
Gwner or G	Owner's Designee, Tit	le	g Garrin Rouges		<u></u> , <u></u>	
		CERTIFICATE OF INS	ERVICE INSPECTION	N :		
I, the undersigned	d, holding a valid com	mission issued by the Nat	ional Board of Boiler a	and Pressure Vess	el Inspectors and the	
or Province of			<u> </u>	have inspected	the components des	cribed
in this Owner's R	eport during the period	the Owner has performe	in 3/	<u> </u>	eta and eta	to that
Owner's Report in	n accordance with the i	requirements of the ASME	E Code, Section XI.			
By signing thi examinations and	is certificate neither the	a Inspector nor his employ described in this Owner's	yer makes any warrant Report, Furthermore, i	ty, expressed or in neither the Inspec	nplied, concerning th tor nor his employer	Ө
shall be liable in a inspection.	iny manner for any per	rsonal injury or property da	amage or a loss of any	kind arising from	or connected with th	is
Ma	Dell	Commiss	ions NB 13977	A,N,I	PA 3020	
	CERTIFICATE OF COMPLIANCE y that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Code Symbol Stamp NA Expiration Date NA Authorization No. NA Expiration Date NA Authorization No. NA Expiration Date NA CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State Province of Pennsylvania and employed by HSBCT Authorization No. Pennsylvania and employed by HSBCT Authorization No. NA Expiration Date NA Authorization Date NA Authoriz					
Date MARC	H 18 20	17				
	•					

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1. Owner		eration Company. ame	ЦС		Date	Ma	rch 19, 2012	·
		Way, Kennett Squ dress	are, PA 1934	8	Sheet	of	2	<u> </u>
2. Plant		enerating Station ame			Unit	· · · · · · · · · · · · · · · · · · ·	1	
		oga Road, Pottstov dress	wn PA 19464		F	Work (Repair Organization	Order No. C0242131 on P.O. No., Job No.	etc.
3. Work Perform	ed by <u>Exelon Nu</u> N	clear ame			Type Code Authorizat	e Symbol Stamp ion No.	N/A N/A	
		oga Road, Pottsto dress	wn PA 19464		Expiration	Date	N/A	
4. Identification of	of System:_Reactor	Water Clean-Up	(Syster	n 044)	Line No. I	DCA-101	Pipe Support DCA	N-101-H003
(b) Applicab (c) Applicab 6. Identification of Name of Component	le Edition of Section le Section XI Code of Components Name of Manufacturer	Manufacturer Serial No.	National Board No.	0	other ification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or
DCA-101-H003	Bergen- Patterson	Part Number VS4F-7	N/A	DCA-1	01-H003	N/A	Corrected	No) No
: .								
* Traceability per	Exelon stock code	number.	*		, . .	• · · · · · · · · · · · · · · · · ·		·
7. Description of8. Tests conduct	work: <u>Reset variat</u> ted: Hydrostatic l Other □ N	ole support spring of Pneumatic C	Nominal	Operating	Pressure			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: None
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. NA Expiration Date NA Signed J.H. Kramer (site weld administrator) Owder or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of POWN 15 LAND And employed by HSBCT of In this Owner's Report during the period 3/4/1/Z to 15/2/1/Z and employed by HSBCT of In this Owner's Report during the period 3/4/1/Z 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 lable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions M3 1 377 7 M N I PA 3 0 2 O National Board, State, Province, and Endorsements
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
•
Certificate of Authorization No. NA Expiration Date N
Signed A W. K J.H. Kramer (site weld administrator) Date March 19. 2012
Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
1 the understand helding a valid commission issued by the National Roard of Roiler and Pressure Vessel Inspectors and the State
or Province of PEVN ソトレイルノ 4 and employed by HSBCT of
Hartford, CT have inspected the components described
in this Owner's Report during the period
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
M1 +1 -1 () 11
11111 / CULV Commissions NB 13977A, N, I PA 3020
Inspector's Signature National Board, State, Province, and Endorsements
Date MAY 2 20 / 2
Date 1111 2 20.

1. Owner	Exelon Gene Nam			Date MA	Y 12, 201	2	
<u> </u>	200 Exelon Way. Addre		PA 19348	Sheet	of	2	
2. Plant	Limerick Gener Nam	ating Station le		Unit	1_		
31	46 Sanatoga Roa Addre		19464			0009 , CRD Exchan	
3. Work Performed I	oy <u>Exelon Gene</u> Nam		· <u> </u>	Type Code Authorizat	e Symbol S ion No	Stamp N	/A
20	O Exelon Way, Ke Addre		19348	Expiration	Date	N	/A
4. Identification of Sy	ystem <u>047 (</u>	CONTROL ROD	DRIVE	Line No.	10-5299	-10-15	
5. (a) Applicable Construction Code <u>ASME III</u> Edition, <u>1974</u> Addenda, <u>W'75</u> Code Case 1361-2							
(b) Applicable Edit (c) Applicable Sec 6. Identification of Co	tion XI Code Case		Replacement Ad	ctivity: 2001 Edition	on, 2003 A	<u>addenda</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)
CONTROL ROD DRIVE	G.E.	A9588	N/A	N/A	2011	INSTALLED	YES
		HEAT CODE	·				
(8) CAP SCREWS	NOVA	6G83	N/A	N/A	2011	INSTALLED	NO
							. ,
7. Description of Wo	rk: <u>REPLACED</u>	ONE CONTROL	ROD DRIVE A	ND 8 CAP SCRE	ws		
8. Tests conducted:	Hydrostatic (☐ Pneumat	ic Nor	minal Operating P	ressure 🛭	I Exempt □	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

	Applicable Manufacturer's Data Reports to be attached
	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.
1	Type Code Symbol Stamp NA
(Certificate of Authorization No. NA Expiration Date NA
	Signed Level Date JUNE 7 2012
٠	Owner or Owner's Designee, Title
	
_	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
-	and the State or Province of Pennsylvania and employed by HSBCT have inspected the components described
į	in this Owner's Report during the period
t	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 emplo
5	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
t	this inspection.
	WM / Commissions NB 13977 A.N.I PA 3020
-	Inspector's Signature National Board, State, Province, and Endorsements
ח	Date JUNE 8 .2012
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			· · · · · · · · · · · · · · · · · · ·				· · · · · · · · · · · · · · · · · · ·
1. Owner				Date _ <u>M</u> A	Y 12, 201	2	
· · ·			PA 19348	Sheet	_1of_	<u>2</u>	
1. Owner							
31							
3. Work Performed I	oy <u>Exelon Gene</u> Nam	ration Co., LLC		Type Code Authorizat	e Symbol S ion No	Stamp N	/A
20	00 Exelon Way, Ke Addre	ennett Square, PA	19348	Expiration	Date	N	/A
(b) Applicable Edit (c) Applicable Sec	(b) Applicable Edition of Section XI Used for Repair / Replacement Activity: 2001 Edition, 2003 Addenda_ (c) Applicable Section XI Code Cases: _N/A						
		***************************************				Removed, or	Stamped
	G.E.	7228	N/A	N/A	1975 .	INSTALLED	YES
, ,	NOVA		N/A	N/A	2011	INSTALLED	NO
		,					
7. Description of Wo	rk: <u>REPLACED C</u>			D 8 CAP SCREV	vs		
8. Tests conducted:	Hydrostatic Other □_10	☐ Pneumat 51_psi Test Te		ninal Operating P _°F.	Pressure D	Exempt	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

9. Remarks MANUFACTURER DATA SHEET ATTACHED, CRD 10-47, WORK ORDER R1170009. Applicable Manufacturer's Data Reports to be attached
·
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 Starrep NA
Certificate of Authorization No. NA Expiration Date NA
Signed and Date JUNE 7 20 12
Owner or Chimers Designed Title

CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT
of Hartford CT have inspected the components described
in this Owner's Report during the period 11912 to 6812, 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 employ
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.
$N_{L} + A \cdot A \cdot A$
Commissions NB 13977 A.N.I. PA 3020
Commissions NB 13977 A.N.T. PA 30 20 Inspector's Signature National Board, Stafe, Province, and Endorsements
Date JUNE 8 20 17

							
1. Owner	<u>Exelon Gene</u> Nam	ration Co., LLC ie		Date <u>M</u>	AY 12, 201	2	
	200 Exelon Way. Addre		PA 19348	Sheet	_1 of _	2	
2. Plant	Limerick Gener Narr			Unit	1		
31	46 Sanatoga Roa Addre		19464	Work On Repair/Re	der R117 placement	0009 CRD EXCHAN Organization P.O.	NGE FOR 1R14 No., Job No. Etc.
3. Work Performed I	oy <u>Exelon Gene</u> Nam	ration Co., LLC		Type Cod Authorizat	e Symbol S ion No	Stamp N	/A
20	00 Exelon Way, Ke Addre		19348	Expiration	Date	N	/ A
l. Identification of System 047 CONTROL ROD DRIVE Line No. 10-S299-14-43							
5. (a) Applicable Cor(b) Applicable Edit(c) Applicable Sec6. Identification of Cor	ion of Section XI U ction XI Code Case	sed for Repair / I					
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)
CONTROL ROD DRIVE	G.E.	7204	N/A	N/A	1975	INSTALLED	YES
(8) CAP SCREWS	NOVA	6G83	N/A	N/A	2011	INSTALLED	. NO
7. Description of Wo	rk: <u>REPLACE OI</u>	NE CONTROL R	OD DRIVE AND	8 CAP SCREW	s		
8. Tests conducted:	Hydrostatic Other □1	Pneumat 051psi Tes	ic □ Nor t Temp. <u>168</u>	minal Operating P	ressure 2	Exempt □	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

	marks MANUFACTURER DATA SHEET ATTACHED. CRD 14-43, WORK ORDER R1170009. Applicable Manufacturer's Data Reports to be attached
	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.
1	Type Code Symbol Stamp
(Certificate of Authorization No NA Expiration Date NA
5	Signed V www Date JUNE 7 20 12
	Owner or Owner's Designee, Tits
	
_	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT
Ċ	of Hartford, CT have inspected the components described
i	n this Owner's Report during the period
t	this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
t	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 emplo
	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.
·	m H P D II
	Commissions NB 13977 4,N,I PA 3020
-	Inspector's Signature National Board, State, Province, and Endorsements
n	pate 1) NE 8 2012

1.	Owner Exelon Generation Co., LLC Name				Date _ <u>M</u> /	Date _MAY 12, 2012					
		200 Exelon Way Addr	Kennett Square.	PA 19348	Sheet	of	2				
2.	Plant Limerick Generating Station Name					Unit1					
	3	146 Sanatoga Roa Addro		19464			0009, CRD EXCHAN				
3.	Work Performed	by <u>Exelon Gene</u> Nan	ration Co., LLC	<u> </u>	Type Cod Authorizat	e Symbol S ion No	Stamp N	/A			
	2	00 Exelon Way, Ke Addro		Expiration	Date	N	/A				
4.	Identification of S	ystem047	CONTROL ROD	DRIVE	Line No.	10-5299-1	3-35				
	(b) Applicable Edit	nstruction Code A tion of Section XI U ction XI Code Case components	Jsed for Repair / I	, <u>1968</u> Adde Replacement A	enda, <u>W'69</u> (ctivity: <u>2001 Editi</u>	Code Case on, 2003 A	_1361-1 ddenda_	·			
	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)			
C	ONTROL ROD DRIVE	G.E.	6217	N/A	N/A	1988	INSTALLED	YES			
	(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO			
7.	Description of Wo	ork: <u>REPLACED (</u>	ONE CRD AND 8	CAP SCREWS	3						
8.	Tests conducted:	•	☐ Pneumat 051 psi Test		minal Operating P	ressure 🗷	Exempt 🗆				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

	Remarks MANUFACTURER DATA SHEET ATTACHED. CRD 18-35, WORK ORDER R1170009. Applicable Manufacturer's Data Reports to be attached
	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 NA
	Certificate of Authorization No. NA Expiration Date NA
	Owner or Owner's Designee, Title
	
_	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
	and the State or Province of Pennsylvania and employed by HSBCT
	of Hartford, CT have inspected the components described in this Owner's Report during the period 1/19/12 to 6/8/17, 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 empk 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.
	MHADI
	Commissions NB i3977 ANT PA 3020
	Inspector's Signature National Board, State, Province, and Endorsements
	Date JUNE 8 2012

1. Owner	Exelon Gene	ration Co., LLC		Date _M/	Y 12, 201	2			
	Name								
	200 Exelon Way. Addre		Sheet	Sheet2					
2. Plant	Limerick Gener		Unit	Unit1					
31	46 Sanatoga Roa Addre			Work Order R1170009, CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.					
3. Work Performed !	by <u>Exelon Gene</u> Nam	ration Co., LLC		Type Cod Authoriza	Type Code Symbol Stamp N/A Authorization No. N/A				
20	XX Exelon Way, Ke Addre		19348	Expiration	Date		VA		
4. Identification of S	ystem047.0	CONTROL ROD	DRIVE_	Line No.	10-S299-1	8-51			
 (a) Applicable Co. (b) Applicable Edit (c) Applicable Sec Identification of Co. 	ion of Section XI U ction XI Code Case	lsed for Repair / I	dition, <u>1974</u> Replacement Ad	Addenda, <u>W'</u> ctivity: <u>2001 Editi</u>	75Co on, 2003 A	ode Case_1361-2_ ddenda_	_		
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)		
CONTROL ROD DRIVE	G.E.	A9068	N/A	N/A	2011	INSTALLED	YES		
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO		
7. Description of Wo	ork: <u>REPLACE ON</u>	IE CRD AND 8 C	AP SCREWS						
8. Tests conducted:		Pneumat 51 psi Test Te		minal Operating F	Pressure D	I Exempt □			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

· · · · · · · · · · · · · · · · · · ·	Applicable Manufa	acturer's Data Reports to	be attached	
	CERTIFI	CATE OF COMPLIA	ICE	
Logitify that the statem	ents made in the report are	a correct and this con	orms to the requirements	of the ASME Code
Section XI.	ente made in the report are		omis to the requirements	or the Admit Code,
Type Code Sýmbol Stamp_	. NA			
/		. Francisco D	ata NA	
Certificate of Authorization	CH INA	Expiration D	are NA	17
Signed Owner or Or	vner Designee, Title	Date	JUNE T	.20 _
OWITE: OF OW	inter Designee, Tide	Λ		
		V		
	CERTIFICATE	OF INSERVICE INS	PECTION	
I the undersigned hold	ding a valid commission iss	ued by the National F	loard of Boiler and Press	ire Vessel Inspectors
and the State or Province of	Pennsylvania	and employed by	HSBCT	•
of Hin this Owner's Report during	lartford, CT the period 1/19/	12. to	have inspected the co	mponents described and state that
to the best of my knowledge	and belief, the Owner has	performed examinati	ons and taken corrective r	neasures described in
this Owner's Report in accome By signing this certificat	te neither the Inspector no	r his employer makes	any warranty, expressed	or implied, concerning
the examinations and correct shall be liable in any manner				
this inspection.	or any personal injury or p	property damage or a	loss of any kind ansing in	OIII OI COIIIIECIEU WIIII
MIHE)+	0 0 1			
/M// (M	Commissions V	3 13977 A.N. 7 tional Board, State, Provi	f ph 302
Inspector's S	ignature	- Na	tional Board, State, Provi	nce, and Endorsement

1. Owner	. Owner Exelon Generation Co., LLC Name				Date <u>MAY 12, 2012</u>					
	200 Exelon Way, Kennett Square, PA 19348 Address				_1 of _	2				
2. Plant	. Plant Limerick Generating Station Name				1_					
31	3146 Sanatoga Road, Pottstown, PA 19464 Address				Work Order R1170009, CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.					
3. Work Performed I	3. Work Performed by <u>Exelon Generation Co., LLC</u>					Stamp N	/A			
20	00 Exelon Way, Ke Addre		19348	Expiration	Date	N	//A			
4. Identification of S	ystem <u>047 (</u>	CONTROL ROD	DRIVE	Line No.	10-S299-1	8-55 	_			
(b) Applicable Edit (c) Applicable Sec	5. (a) Applicable Construction Code <u>ASME III</u> <u>Edition</u> , <u>1968</u> Addenda, <u>W'69</u> Code Case_1361-1_ (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: <u>2001 Edition</u> , 2003 Addenda (c) Applicable Section XI Code Cases: _N/A 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)			
CONTROL ROD DRIVE	G.E.	5263	N/A	N/A	1973	INSTALLED	YES			
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO			
7. Description of Wo	rk: <u>REPLACED (</u>	ONE CRD AND 8	CAP SCREWS	3						
8. Tests conducted:	8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other 1051_psi Test Temp. 168_°F.									

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM NIS-2 (Back)

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 NA Certificate of Authorization No. NA Expiration Date NA Signed CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT in this Owner's Report during the period 1151 12 have inspected the components 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 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 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 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 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 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 makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the	T TOTTICAL	ks MANUFACTURER DATA SHEET ATTACHED, CRD 18-55, WORK ORDER R1170009 Applicable Manufacturer's Data Reports to be attached
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 NA Expiration Date NA Expiration Date NA Date Date Date CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT In this Owner's Report during the period It is owner's Report during the period It is 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 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 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 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 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 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 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 makes any warr		
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Certificate of Authorization No. NA Expiration Date NA Signed Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/12/12 to 1/2/12 have inspected the components 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 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 makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employed by the National Board, State, Province, and Endorsements Commissions NB 13977 A.N. 1 PA 3020		CERTIFICATE OF COMPLIANCE
Certificate of Authorization No. NA Expiration Date NA Signed Owner or Olymer's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of have inspected the components described in this Owner's Report during the period 117112 to L17112 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 makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employen the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employen the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employence in the components of the ASME Code, Section XI. Commissions NB 13977 A, N, 1 PA 3020 National Board, State, Province, and Endorsements		I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Bolier and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT have inspected the components described in this Owner's Report during the period INTITIZE to LITE 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 NB 13977 A.N. 1 PA 3020 National Board, State, Province, and Endorsements	Secti	on XI.
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 117 12 to 12 17 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 has a label in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 13977 A.N. 1 PA 3020 National Board, State, Province, and Endorsements	Туре	Code symbol Stamp
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 117 12 to 12 17 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 has a label in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 13977 A.N. 1 PA 3020 National Board, State, Province, and Endorsements	Certif	ficate of Authorization No. / NA Expiration Date NA
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT have inspected the components described in this Owner's Report during the period 119112 to 612112, 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 half be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 13977 A.V. 1 PA 3020 Inspector's Signature National Board, State, Province, and Endorsements		V () () Time 7 13
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hantford, CT Hantford, CT Hantford, CT Have inspected the components described in this Owner's Report during the period Newer 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 has of any kind arising from or connected with this inspection. Commissions NB 13977 A.N. 1 PA 3020 Inspector's Signature National Board, State, Province, and Endorsements	Sign	
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hantford, CT Hantford, CT Hantford, CT Have inspected the components described in this Owner's Report during the period Newer 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 has of any kind arising from or connected with this inspection. Commissions NB 13977 A.N. 1 PA 3020 Inspector's Signature National Board, State, Province, and Endorsements		
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and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT in this Owner's Report during the period 117112 to 6/3/112, 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 employshall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 13977 A. N. 1. PA 3020 Inspector's Signature National Board, State, Province, and Endorsements		CERTIFICATE OF INSERVICE INSPECTION
In this Owner's Report during the period		I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
In this Owner's Report during the period	of	Hartford, CT have inspected the components described
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 employshall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 13977 A.N. 1 PA 3020 Inspector's Signature Commissions NB 13977 A.N. 1 PA 3020 National Board, State, Province, and Endorsements	in this	s Owner's Report during the period \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\
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shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 13977 A.N. 1 PA 3020 Inspector's Signature Commissions NB 13977 A.N. 1 PA 3020 National Board, State, Province, and Endorsements	the e	By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning
MMOCU Commissions NB 13977 A, N, 1 PA 3020 Inspector's Signature National Board, State, Province, and Endorsements	shall	be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
Inspector's Signature National Board, State, Province, and Endorsements	this it	nspection.
Inspector's Signature National Board, State, Province, and Endorsements	/	W 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Date 11NE 8 2012		
	Data	

. OwnerExelon Generation Co., LLC Name					Date _MAY 12, 2012				
	200 Exelon Way. Addre		Sheet	Sheet of 2					
2. Plant Limerick Generating Station Unit 1									
314	16 Sanatoga Roa Addre		Work On Repair/Re	Work Order R1170009 CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.					
3. Work Performed by	<u>Exelon Gene</u> Nam			Type Cod Authorizat	e Symbol S ion No	Stamp N	/A		
200	Exelon Way, Ke Addre		19348	Expiration	Date	N	/A		
4. Identification of Sys	stem047 (CONTROL ROD	DRIVE	Line No.	10-S299-2	2-19			
(b) Applicable Edition (c) Applicable Section (c) Applicable Section (c) Applicable Section (c) Applicable Edition	5. (a) Applicable Construction Code <u>ASME III</u> <u>Edition</u> , <u>1974</u> Addenda, <u>NONE</u> <u>Code Case_1361-1_</u> (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: <u>2001 Edition</u> , <u>2003 Addenda</u> (c) Applicable Section XI Code Cases: _N/A 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)		
CONTROL ROD DRIVE	G.E	9285	N/A	N/A	1977	INSTALLED	YES		
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO		
·		, ,							
7. Description of Work: REPLACE ONE CRD AND 8 CAP SCREWS 8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Exempt ☐ Other ☐ 1051_psi Test Temp. 168 °F.									

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is $8 \frac{1}{2}$ in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

. Heman	ks MANUFACTURER DATA SHEET ATTACHED, CRD 22-19, WORK ORDER R1170009 Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,
Secti	ion XI.
Type	Code/Symbol Stamp NA
Certi	ficate of Authenzation No. NA Expiration Date NA
Signo	ed Date TINE 7, 20 12
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors the State or Province of Pennsylvania and employed by HSBCT
of	Hartford, CT have inspected the components described s Owner's Report during the period 1/0/12 to 6/8/12 and state that
to the	e best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
	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 e	examinations and corrective measures described in this Owner's Report. Furthermore, neither the inspector nor his employ be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
	nspection.
/	MINPI
—	Commissions NB 13977 A.N.5 PA 3020 Inspector's Signature National Board, State, Province, and Endorsements
Sata	JUNE 8 .2012
Date_	<u> </u>

1. Owner	Exelon Gene Nan			Date MA	Y 12, 2012	2				
	200 Exelon Way Addr		PA 19348	Sheet	_1of_	2				
2. Plant	Limerick Gener Nan			Unit1						
3	3146 Sanatoga Road, Pottstown, PA 19464 Address					Work Order R1170009 CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc				
3. Work Performed	Work Performed by Exelon Generation Co LLC Name				Type Code Symbol Stamp N/A Authorization No. N/A					
2	200 Exelon Way, Kennett Square, PA 19348 Address					N	/A			
4. Identification of S 5. (a) Applicable Co (b) Applicable Edi (c) Applicable Se 6. Identification of C	nstruction Code _/ tion of Section XI U ction XI Code Case	ASME III Ed	lition, <u>1974</u>	Addenda, <u>W'75</u>	Code C	6-03 ase_1361-2 addenda				
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)			
CONTROL ROD DRIVE	G.E.	A8483	N/A	N/A	1988	INSTALLED	YES			
(8) CAP SCREWS	NOVA .	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO			
	· · · · · · · · · · · · · · · · · · ·									
7. Description of Wo	ork: REPLACED (ONE CRD AND 8	CAP SCREWS	3						
8. Tests conducted:		Pneumat 51psi Test		minal Operating P _°F.	ressure E	Exempt 🗆				

	Applicable Manufacturer's Data Reports to be attached
·	
	CERTIFICATE OF COMPLIANCE
1.	
Section	certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, IN.
	/ K.
Certifid	ate of Authorization No. NA Expiration Date NA
Signed	Kenn Date JUNE 7 .20 12
•	Owner or Owner's Designee Vitte
	
	CERTIFICATE OF INSERVICE INSPECTION
	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
of	State or Province of Pennsylvania and employed by HSBCT have inspected the components described
in this (Owner's Report during the period 1/19/12 to 6/8/12, and state that
to the t	pest of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in mer's Report in accordance with the requirements of the ASME Code, Section XI.
В	y signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
	minations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emplo e liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
	pection.
\mathcal{A}	AI HM D M
1	Commissions NB 13977 A.N.I PA 3020
	Inspector's Signature National Board, State, Province, and Endorsements
	,,

1. Owner	Exelon Gene Nam	ration Co., LLC	Date <u>M</u>	Date <u>MAY 12, 2012</u>					
	200 Exelon Way. Addre		PA 19348	Sheet	Sheet1 of2				
2. Plant	Limerick Genera Nam		Unit	Unit1					
31	46 Sanatoga Road Addre			Work Order R1170009 CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.					
3. Work Performed b	by <u>Exelon General</u> Nam	ration Co., LLC	Type Code Authorizat	e Symbol S ion No	Stamp N	/A			
20	00 Exelon Way, Ke	nnett Square, PA	19348			N	/A		
	Address								
4. Identification of Sy						6-11			
5. (a) Applicable Cor(b) Applicable Edit(c) Applicable Sec6. Identification of Co	ion of Section XI U ction XI Code Case	lsed for Repair / I	on, <u>1974</u> A	Addenda, <u>W'75</u> ctivity: <u>2001 Editi</u>	Code (on, 2003 A	Case_1361-2 addenda			
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)		
CONTROL ROD DRIVE	G.E.	A9696	ŅΛ	N/A	2011	INSTALLED	YES		
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO		
			:						
7. Description of Wo	ork: <u>REPLACED C</u>	NE CRD AND 8	CAP SCREWS						
8. Tests conducted:	Hydrostatic	☐ Pneumat 051psi Test	tic 🗆 Nor	minal Operating P	ressure 2	I Exempt □			

	Applicable Manufacturer's Data Reports to be attached
·	
	CERTIFICATE OF COMPLIANCE
lo	ertify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,
Section	
Type C	ode Şıymbol Stamığı NA NA
Certifid	ate of Authorization No. NA Expiration Date NA
Signed	Volume Frank Park 7 20 12
Signed	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors State or Province of Pennsylvania and employed by HSBCT
of	Hartford, CT have inspected the components described
in this C	Owner's Report during the period
this Ow	mer's Report in accordance with the requirements of the ASME Code, Section XI.
the exa	signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, conceming rinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emplo
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 insp	We see ON
	Commissions NB 13977 4,N,I PA 3020
. /	Inspector's Signature National Board, State, Province, and Endorsements
*	

1. Owner	Exelon Gene Nan		 	Date _M/	Date _MAY 12, 2012				
	200 Exelon Way Addr		PA 19348	Sheet	Sheet1 of2				
2. Plant	Limerick Gener Nan		Unit	Unit					
3	3146 Sanatoga Roa Addre		<u>Work Or</u> Repair/Re	Work Order R1170009, CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.					
3. Work Performed	by <u>Exelon Gene</u> Nan		Type Cod Authorizat	Type Code Symbol Stamp N/A Authorization No. N/A					
	200 Exelon Way, Ke Addre	ennett Square. P/	A 19348	Expiration	Date	N	∀A		
4. Identification of S	System047	CONTROL ROD	DRIVE	Line No.	10-S299-2	26-35	· · · · · · · · · · · · · · · · · · ·		
(a) Applicable Co (b) Applicable Ed (c) Applicable Se Identification of Co	ition of Section XI L ection XI Code Case	Ised for Repair / I	n, <u>1974</u> Ao Replacement Ao	idenda, <u>W'75</u> ctivity: <u>2001 Editi</u>	Code Ci on, 2003 A	ase_1361-2 _ addenda_			
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)		
CONTROL ROD DRIVE	G.E.	A9700	N/A	N/A	2011	INSTALLLED	YES		
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO		
	-						·		
7. Description of W	ork: REPLACED C	NE CRD AND 8	CAP SCREWS	·					
8. Tests conducted	: Hydrostatic (ic 🔲 Nor t Temp. <u>168</u>	ninal Operating P	ressure D	Exempt			

	URER DATA SHEET ATTACHED, CRD 26-35, WORK ORDER R1170009 Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
I certify that	statements made in the report are correct and this conforms to the requirements of the ASME Code,
Section XI.	^
Type Code Symb	tampNA
Certificate of Auti	attor No. NA Expiration Date NA
W	
Signed \ O	or or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
I, the unders	ed, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or F	ince of Pennsylvania and employed by HSBCT
of	t during the period 1/9/17 to 6/2/17 and state that
to the best of my	wledge and belief, the Owner has performed examinations and taken corrective measures described in
this Owners Repo	n accordance with the requirements of the ASME Code, Section XI. entificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
the examinations	corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his emp
shall be liable in a this inspection.	manner for any personal injury or property damage or a loss of any kind arising from or connected with
unis inspection.	$\rho \rho M$
111171	1411
- JUM	Commissions NB 13977 A,N, I PA 3020 Ctor's Signature National Board, State, Province, and Endorsements
_	
Date JUA	<u>0</u> , 20 <u>1</u> <u>C</u>

1. Owner	Exelon Gene Nam		Date MA	Date <u>MAY 12, 2012</u>					
	200 Exelon Way. Addre		PA 19348	Sheet	Sheet1 of2				
2. Plant	Limerick Gener		Unit	Unit					
3:	146 Sanatoga Roa Addre			Work Order R1170009, CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.					
3. Work Performed	by <u>Exelon Gene</u> Nam			Type Cod Authorizat	Type Code Symbol Stamp N/A Authorization No. N/A				
20	200 Exelon Way, Kennett Square, PA 19348 Address						VA		
4. Identification of S	4. Identification of System 047 CONTROL ROD DRIVE Line No. 10-S299-34-35								
5. (a) Applicable Construction Code ASME III Edition, 1974 Addenda, W75 Code Case_1361-2_ (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: 2001 Edition, 2003 Addenda (c) Applicable Section XI Code Cases: _N/A									
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)		
CONTROL ROD DRIVE	G.E.	A9743	NA	N/A	2011	INSTALLED	YES		
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO NO		
7. Description of Wo	ork: REPLACED	ONE CRD AND 8	CAP SCREW	s					
8. Tests conducted:	Hydrostatic			minal Operating P		I Exempt □			

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 A NA NA
Signed Date Date 7 20 CONNER'S Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
and the State or Province of Pennsylvania and employed by HSBCT have inspected the components described
in this Owner's Report during the period
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 employe
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.
Commissions NB 13977 A, N, T PA 3020 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date JUNE 8, 2012

1. Owner	Owner Exelon Generation Co., LLC Name					Date <u>MAY 12, 2012</u>			
	200 Exelon Way. Addre		PA 19348	Sheet	Sheet1 of2				
2. Plant	Limerick General Name	ating Station		Unit	Unit				
31	146 Sanatoga Roa Addre		Work On Repair/Re	Work Order R1170009, CRD EXCHANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.					
3. Work Performed I	. Work Performed by <u>Exelon Generation Co., LLC</u> Name					Type Code Symbol Stamp N/A Authorization No. N/A			
20	200 Exelon Way, Kennett Square, PA 19348 Address					Expiration Date N/A			
4. Identification of S	4. Identification of System 047 CONTROL ROD DRIVE Line No. 10-S299-34-47								
5. (a) Applicable Co.(b) Applicable Edit(c) Applicable Sec6. Identification of Co.	ion of Section XI U ction XI Code Case	Ised for Repair / I	, <u>1974</u> Ado Replacement Ad	lenda, <u>W75</u> ctivity: <u>2001 Editi</u>	Code Cas on, 2003 A	se_1361-2 ddenda			
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)		
CONTROL ROD DRIVE	G.E.	A9698	N/A	N/A	2011	INSTALLED	YES		
(8) CAP SCREWS	NOVA	6G83	N/A	N/A	2011	INSTALLED	NO		
7. Description of Wo	ork: REPLACED	ONE CRD AND	B CAP SCREW	s			·		
8. Tests conducted:		Pneumat 051psi Tes		minal Operating P	ressure E	I Exempt □			

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	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 NA NA
•	Certificate of Authorization No. NA Expiration Date NA
٠	Owner or Owner's Designee, Title
_	——————————————————————————————————————
-	
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
,	and the State or Province of <u>Pennsylvania</u> and employed by <u>HSBCT</u> of Hartford, CT have inspected the components described
į	In this Owner's Report during the period $1/9/12$ to $6/9/12$, 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.
5	shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
1	this inspection.
	Commissions NB 13977 A.N.T PA 3020
-	Inspector's Signature National Board, State, Province, and Endorsements
_	Date JUNE 8 .2012

1. Owner	Owner Exelon Generation Co., LLC Name					Date <u>MAY 12, 2012</u>				
	200 Exelon Way, Addre		PA 19348	Sheet	_1 of _	2				
2. Plant	Limerick Gener Nam			Unit	Unit1					
31	3146 Sanatoga Road, Pottstown, PA 19464 Address					Work Order R1170009, CRD EXCHAANGE FOR 1R14 Repair/Replacement Organization P.O. No., Job No. Etc.				
3. Work Performed I	. Work Performed by <u>Exelon Generation Co., LLC</u> Name					Type Code Symbol Stamp N/A Authorization No. N/A				
20	200 Exelon Way, Kennett Square, PA 19348 Address					N	/ <u>A</u>			
4. Identification of S	4. Identification of System 047 CONTROL ROD DRIVE Line No. 10-S299-38-07									
5. (a) Applicable Cor (b) Applicable Edit (c) Applicable Sec 6. Identification of Cor	ion of Section XI U ction XI Code Case	Ised for Repair / F	on, <u>1974</u> A Replacement A	ddenda, <u>W'75</u> ctivity: <u>2001 Editi</u>	Code C on, 2003 A	ase_1361-2_ ddenda_				
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)			
CONTROL ROD DRIVE	G.E.	A9092	N/A	N/A	2011	INSTALLED	YES			
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N/A	2011	INSTALLED	NO			
							·¥·			
	·									
7. Description of Wo	rk: REPLACED (ONE CRD AND 8	CAP SCREWS	<u> </u>						
8. Tests conducted:	Hydrostatic Other □_1		ic I Nor at Temp. 168	minal Operating P	ressure 🛭	Exempt □				

	Applicable Manufacturer's Data Reports to be attached	_
	CERTIFICATE OF COMPLIANCE	
l ce	that the statements made in the report are correct and this conforms to the requirements of the ASME Code	e.
Section :		
Type Co	Symbol Stamp NA	
Certifica	f Authorization No. NA Expiration Date NA	
Signed	note I me I and IZ	
Olgrica_	Owner or Owner's Designee Title	
		
	OFFICIAL OF INCEDIOS INCREATION	
	CERTIFICATE OF INSERVICE INSPECTION	
I, th	ndersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspector e or Province of <u>Pennsylvania</u> and employed by <u>HSBCT</u>	ors
of	Hartford, CT have inspected the components describ	ed
in this O	r's Report during the period 119117 to 6/8/17, and state to fmy knowledge and belief, the Owner has performed examinations and taken corrective measures describe	hat ed in
this Own	Report in accordance with the requirements of the ASME Code, Section XI.	
By the evan	ling this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concent tions and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his	ning
shall be	e in any manner for any personal injury or property damage or a loss of any kind arising from or connected v	vith
this insp	^{n.} (1) (1) (1)	
		_
	Commissions NB 13977 A,N, J PA 307	40
, -	Inspector's Signature National Board, State, Province, and Endorsen	nents
	UNE 8,2012	

						·			
1. Owner	1. Owner Exelon Generation Co., LLC Name					Date MAY 12, 2012			
· ·	200 Exelon Way Addr		Sheet	_1 of _	2				
2. Plant	Limerick Gener Nan	ating Station		Unit	1_				
3	146 Sanatoga Roa Addro	d. Pottstown, PA	19464	Work Or Repair/Re	der R1170 placemen	0009 CRD ECHANG t Organization P.O.	E FOR 1R14 No., Job No. Etc.		
3. Work Performed	by <u>Exelon Gene</u> Nam	ration Co., LLC ne		Type Cod Authoriza	e Symbol : ion No	Stamp N	/A		
200 Exelon Way, Kennett Square, PA 19348 Expiration Date N/A Address									
4. Identification of S	ystem <u>047 (</u>	CONTROL ROD	DRIVE	Line No.	10-S299-4	2-47			
(b) Applicable Edit (c) Applicable Sec	 (a) Applicable Construction Code <u>ASME IIII</u> Edition, <u>1974</u> Addenda, <u>W'75</u> Code Case <u>1361-2</u> (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: <u>2001 Edition, 2003 Addenda</u> (c) Applicable Section XI Code Cases: <u>N/A</u> 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)		
CONTROL ROD DRIVE	G.E.	A9286	N/A	N/A	2011	INSTALLED	YES		
(8) CAP									
SCREWS	NOVA	6G83	N/A	N/A	2011	INSTALLED	NO		
7. Description of Wo	rk: <u>REPLACE ON</u>	NE CRD AND 8 C	AP SCREWS						
8. Tests conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☑ Exempt ☐ Other ☐ 1051psi Test Temp168°F.									

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 NA Expiration Date NA Expiration Date NA Date NA Date NA Date NA Date NA Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 1(a/12 to (/8/12) and state that to the best of my knowledge and belief, the Owher 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 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 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 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 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 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 makes any warranty, expressed or implied, concerning the		Applicable Manufacturer	D 42-47 WORK ORDER R1170009 's Data Reports to be attached
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 NA Expiration Date NA Expiration Date NA Date NA Date NA Date NA Signed NA Expiration Date NA Date NA Signed NA Expiration Date NA Date NA Date NA Signed NA Expiration Date NA Date NA Date NA Expiration Date NA Signed NA Expiration Date NA Expiration Date NA Signed NA Expiration Date N	· · · · · · · · · · · · · · · · · · ·		
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 NA Expiration Date NA Expiration Date NA Date NA Date NA Date NA Signed NA Expiration Date NA Date NA Signed NA Expiration Date NA Date NA Date NA Signed NA Expiration Date NA Date NA Date NA Expiration Date NA Signed NA Expiration Date NA Expiration Date NA Signed NA Expiration Date N			
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 NA Expiration Date NA Expiration Date NA Expiration Date NA Date NA Date NA Signed Namer's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/4/12 to 1/8/12, and state that to the best of my knowledge and belief, the Owher 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 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 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 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 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 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 makes any warranty, expressed or implied, concerning the examinations and correctiv			
Certificate of Authorization No. NA Expiration Date NA Signed Owner or Owner's Designee, The Date Owner's Designee, The Date Owner or Owner's Designee, The Owner's Report of Pennsylvania and employed by HSBCT or Hartford, CT have inspected the components described in this Owner's Report during the period (19/12 to 6/3/12 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 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 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 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 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 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 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 makes any warranty		CERTIFICATE	OF COMPLIANCE
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Date JUNE 8 20 LZ	Inspect	or's Signature	National Board, State, Province, and Endorsemen
	Date JUNE	8 2012	

1. Owner	Date _ <u>M</u>	Date <u>MAY 12, 2012</u>							
	200 Exelon Way. Addre		Sheet	of	2				
2. Plant	Limerick Genera Nam			Unit	1				
31	46 Sanatoga Road Addre		19464			0009 CRD EXCHAN Organization P.O. I			
3. Work Performed b	y <u>Exelon Gene</u> Nam	ration Co., LLC	· .	Type Cod Authorizat	e Symbol sion No	Stamp N	/A		
20	0 Exelon Way, Ke Addre		19348	Expiration	Date	N	/A		
4. Identification of Sy	/stem047 (CONTROL ROD	DRIVE	Line No.	10-S299-4	2-55	· · · · · · · · · · · · · · · · · · ·		
(b) Applicable Edit (c) Applicable Sec	5. (a) Applicable Construction Code <u>ASME III E</u> dition, <u>1968</u> Addenda, <u>W'69</u> Code Case_1361-1_ (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: <u>2001 Edition</u> , <u>2003 Addenda</u> (c) Applicable Section XI Code Cases: _N/A 3. 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)		
CONTROL ROD DRIVE	G.E.	7360	N/A	N/A	1975	INSTALLED	YES		
(8) CAP SCREWS	NOVA	HEAT CODE 6G83	N/A	N.A	2011	INSTALLED	NO		
7. Description of Wo	ork: REPLACED (ONE CRD AND 8	CAP SCREWS	S					
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Other 1051_psi Test Temp. 168°F.									

CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, cition XI. pe Code Symbol Stamp NA Expiration Date NA Date CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors of the State or Province of Pennsylvania and employed by HSBCT Hartford, CT Thave inspected the components described this Owner's Report during the period 1 19 17 1 19 19 19 19 19 19 19 19 19 19 19 19 1	emarks MANUFACTURER DATA SHEET ATTACHED, CRD 42-55 WORK ORDER R1170009 Applicable Manufacturer's Data Reports to be attached
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11/7/1/14/1	11/11/14/1
Inspector's Signature Commissions NB 13G77, A, N, J, PA 302 National Board, State, Province, and Endorsement	Commissions NO 18911, A, N 5 PK SO
Inspector's Signature National Board, State, Province, and Endorsement	inspector's Signature National Board, State, Province, and Endorseme
e_JUNE 8201Z	hate JINK S 2017

1.	. Owner Exelon Generation Co., LLC Name					Date <u>MAY 12, 2012</u>				
		200 Exelon Way Addr	Kennett Square.	Sheet	_1 of _	2				
2.	Plant	Limerick Gener Nan		 	Unit	1				
	3	146 Sanatoga Roa Addr		19464	<u>Work Or</u> Repair/Re	der R1170 placement	009 CRD EXCHANG Organization P.O.	GE FOR 1R14 No., Job No. Etc.		
3.	Work Performed	by <u>Exelon Gene</u> Nan			Type Cod Authoriza		Stamp N	/A		
	20	00 Exelon Way, Ke Addre		Expiration	Date	N	/A			
4.	Identification of S	ystem047	CONTROL ROD	DRIVE	Line No.	10-S299-4	6-11			
	(b) Applicable Edit	nstruction Code <u>A</u> tion of Section XI Uction XI Code Case omponents	Jsed for Repair / I	n, <u>1968</u> Ad Replacement Ad	denda, <u>W'69</u> ctivity: <u>2001 Editi</u>	Code Cason, 2003 A	se_1361-1 ddenda_			
	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)		
C	ONTROL ROD DRIVE	G.E.	6270	N/A	N/A	1975	INSTALLED	YES		
	(8) CAP SCREWS	NOVA	6G83	N/A	N/A	2011	INSTALLED	NO		
		·								
	. <u> </u>									
7.	Description of Wo	rk: <u>REPLACED (</u>	ONE CRD AND 8	CAP SCREWS	3					
8.	Tests conducted:		☐ Pneumat 051psi Test		minal Operating F	ressure 2	3 Exempt □			

	Applicable Manufacturer's Data Reports to be attached
	·
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,
	on XI.
Type	Code Symbol Stamp
Centi	
Signe	Owner or Owner's Destignee, Title
	Owner or Owner's Designee, Title
	
	CERTIFICATE OF INSERVICE INSPECTION
	L. the condensed helding a valid commission issued by the National Board of Ballay and Ducas up Vessel Inspectors
and t	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors he State or Province of Pennsylvania and employed by HSBCT
of	Hartford, CT have inspected the components described
in the	s Owner's Report during the period $1/19/12$ to $6/8/12$, and state that be best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this C	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 e	xaminations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
	be liable in any mariner for any personal injury or property damage of a loss of any find ansing from or connected with a spection.
	no un o ll
	Commissions NB 13977 ANI PA 3020
	Inspector's Signature Commissions 1713 1717 A. N. L. V. S. S. C. National Board, State, Province, and Endorsements
	JUNE 8 20 12

1. Owner	1. Owner Exelon Generation Co., LLC Name					Date <u>MAY 12. 2012</u>				
	200 Exelon Way, Kennett Square, PA 19348 Address					2				
2. Plant	Limerick General Nam	ating Station ne		Unit	1					
31	146 Sanatoga Roa Addre		19464	<u>Work On</u> Repair/Re		0009 CRD EXCHAN Organization P.O. I				
3. Work Performed i	by <u>Exelon Gene</u> Nam	ration Co., LLC		Type Code Authorizat	e Symbol s ion No	Stamp N	/A /A			
20	00 Exelon Way, Ke Addre	ennett Square, PA	19348	Expiration	Date	N	/A			
4. Identification of S	ystem047.0	CONTROL ROD	DRIVE	Line No.	10-S299-5	0-47	·			
(b) Applicable Edit (c) Applicable Sec	5. (a) Applicable Construction Code <u>ASME III</u> <u>Edition</u> , <u>1974</u> Addenda, <u>W'75</u> <u>Code Case_1361-2</u> (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: <u>2001 Edition</u> , <u>2003 Addenda</u> (c) Applicable Section XI Code Cases: <u>N/A</u> 3. 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)			
CONTROL ROD DRIVE	G.E.	A9694	N/A	N/A	2011	INSTALLED	YES			
(8) CAP SCREWS	NOVA	6G83	N/A	N/A	2011	INSTALLED	NO .			
7. Description of Wo	ork: REPLACED	ONE CRD AND 8	CAP SCREWS	S						
8. Tests conducted:		☐ Pneumat 051psi		minal Operating P	ressure D	Exempt 🗆				

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
	I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,
Secti	ion XI.
Туре	Code ≸ymbol Stamp NA
• •	ficate of Authorization No. NA Expiration Date NA
Ceru	
Sign	owner or Owner's Designee, Tith
	Owner or Owner's Designee, True
	CERTIFICATE OF INSERVICE INSPECTION
	•
and t	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors the State or Province of Pennsylvania and employed by HSBCT
of	Hartford, CT have inspected the components described
in this	s Owner's Report during the period 1/19/17 to 4/9/17 and state that a best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in
this C	Owner's Report in accordance with the requirements of the ASME Code, Section XI.
the e	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning 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 in	nspection.
	WITT IN VI
	Commissions NB 13977 A.N.I PA 3020
•	Inspector's Signature National Board, State, Province, and Endorsements
	JUNE 8,20 12

1.	Owner	Exelon Gene Nan		Date _M/	Date <u>MAY 12, 2012</u>				
		200 Exelon Way Addre		Sheet	_1 of _	2			
2.	Plant	Limerick Gener	ating Station	 	Unit	1_	 		
	3	146 Sanatoga Roa Addre		19464	Work Or Repair/Re		0009 CRD EXCHAN Organization P.O.		
3.	Work Performed	by <u>Exelon Gene</u> Nan			Type Cod Authoriza	e Symbol stion No	StampN	/A	
		00 Exelon Way, Ke Addre		19348	Expiration	Date	N	//A	
4.	Identification of S	ystem <u>047</u>	CONTROL ROD	DRIVE	Line No.	10-S299-5	34-19		
	5. (a) Applicable Construction Code <u>ASME III</u> <u>Edition</u> , <u>1968</u> Addenda, <u>W'69</u> Code Case_1361-1_ (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: <u>2001 Edition</u> , <u>2003 Addenda</u> (c) Applicable Section XI Code Cases: _N/A 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)	
c	ONTROL ROD DRIVE	G.E.	5578	N/A	N/A	1975	INSTALLED	YES	
	(8) CAP SCREWS	NOVA	6G83	N/A	N/A	2011	INSTALLED	NO	
7.	Description of Wo	ork: REPLACED	ONE CRD AND 8	CAP SCREWS	S				
8.	Tests conducted:		Pneumat		minal Operating F		Exempt 🗆		

	Applicable Manufacturer's Data Reports to be attached
	CERTIFICATE OF COMPLIANCE
l cert Section XI	tify that the statements made in the report are correct and this conforms to the requirements of the ASME Code,
	le S y mbol StampNA
•	e of Authorization Ab. NA Expiration Date NA
Signed _	Lune June 7 2012
	Owner or Owner's Designee, Title
	CERTIFICATE OF INSERVICE INSPECTION
	e undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors
of	tate or Province of Pennsylvania and employed by HSBCT have inspected the components described
in this Ow	mer's Report during the period 1/19/1.2 to 6/8/12 and state that
	at of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in or's Report in accordance with the requirements of the ASME Code, Section XI.
By si	igning this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning
the examin	nations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his em
shall be lia this inspec	able in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
	To at O O AA
	Commissions NB 13977 AN 7 DA 3070
-/4	Commissions NB 13977 A.N. Z PA 3070 Inspector's Signature National Board, State, Province, and Endorsemen
-	mopositi o olginitato

Exelon Generation Co., LLC Name				Date _M	AY 12, 201	2				
	200 Exelon Way, Kennett Square, PA 19348 Address					2				
2. Plant	Plant Limerick Generating Station				1_					
3	146 Sanatoga Roa Addro		19464	Work Or Repair/Re	der R1170 eplacemen	0009 CRD EXCHAN	NGE FOR 1R14 No., Job No. Etc.			
3. Work Performed	3. Work Performed by <u>Exelon Generation Co LLC</u>									
20	00 Exelon Way, Ke Addre		\ 19348							
5. (a) Applicable Co (b) Applicable Edit (c) Applicable Sec	I. Identification of System047 CONTROL ROD DRIVE Line No. 10-S299-58-19 5. (a) Applicable Construction Code _ASME III Edition, _1974 Addenda, W'75 Code Case1361-2 (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: _2001 Edition. 2003 Addenda (c) Applicable Section XI Code Cases: _N/A 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)			
CONTROL ROD DRIVE	G.E.	A9344	N/A	N/A	2011	INSTALLED	YES			
(6) CAP SCREWS	NOVA	·6G83	N/A	, N/A	2011	INSTALLED	NO			
(2) CAP SCREWS	NOVA	3F26	N/A	N/A	2010	INSTALLED	NO			
7. Description of Wo	rk: REPLACED	ONE CRD AND 8	CAP SCREW	s						
8. Tests conducted:	Hydrostatic Other1		ic	ninal Operating P	ressure 🛭	Exempt []				

101	marks MANUFACTURER DATA SHEET ATTACHED, CRD 58-19. WORK ORDER R1170009 Applicable Manufacturer's Data Reports to be attached
_	
_	
	CERTIFICATE OF COMPLIANCE
s	I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.
Т	ype Code Symbol StampNA
	Certificate of Authorization No. NA Expiration Date NA
	signed Law Date JUNE 7 .20 12
_	Owner or Owner's Designee, Title
_	
	CERTIFICATE OF INSERVICE INSPECTION
a	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT
	have inspected the components described to to LIGITZ, and state that
to	the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in his 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
S	he examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his empl hall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
tł	nis inspection. MHDPM
_	Commissions NB 13977 A.N.I. PA 3020 Inspector's Signature National Board, State, Province, and Endorsements
	ate SUNE 8 .2017
D	110 3010 3 , 20 , 20

	•			9.					
1. Owner	Exelon Gene Nar	eration Co., LLC	·	Date <u>MA</u>	Y 12. 2012	2			
	200 Exelon Way, Kennett Square, PA 19348 Address					2	•		
2. Plant	Limerick Gener	ating Station		Unit	1				
3	146 Sanatoga Roa	d. Pottstown. PA	19464	Work Or	Work Order R1170009 CRD EXCHANGE FOR 1R14				
3. Work Performed		eration Co., LLC	·	Type Cod	Repair/Replacement Organization P.O. No., Job No. Etc. Type Code Symbol Stamp Authorization No				
2	00 Exelon Way, Ke Addr		19348	Expiration	Date	N	/A		
4. Identification of S	ystem047	CONTROL ROD	DRIVE	Line No.	10-S299-	50-15			
5. (a) Applicable Co (b) Applicable Edit (c) Applicable Sec 6. Identification of Co	tion of Section XI t ction XI Code Cas	Jsed for Repair / I	_N/A Replacement A	Addenda, <u>N/A</u> ctivity: <u>2001 Edit</u>	Code on. 2003 A	e Case_N/A ddenda_			
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)		
(6) CAP SCREWS	NOVA	897A	N/A	N/A	2009	INSTALLED	NO		
(2) CAP SCREW	NOVA	LGF	N/A	N/A	2010	INSTALLED	NO		
	<u> </u>								
<u> </u>									
7. Description of Wo	rk: <u>REPLACE 8</u>	CAP SCREWS IN	I CRD LOCATION	ON 50-15					

O-RINGS WERE REP	LACED AND NEW BOLTI	NG INSTALLED IN CR	ID LOCATION 50-15	<u> </u>
				7 t
	CE	RTIFICATE OF COMP	LIANCE	
I certify that the st Section XI.	atements made in the rep	ort are correct and this	conforms to the requ	irements of the ASME Code,
Type Code Sýmbol Sta	amp NA			<u> </u>
Certificate of Authoriza	tidn No. NA	Expirati	on Date NA	·
Signed V	It land		Date JUNE	7 .20 12
Owner	or Owners Designed Title			
	CERTIFIC	CATE OF INSERVICE	INSPECTION	
I, the undersigned	i, holding a valid commissi	ion issued by the Natio	nal Board of Boiler a	nd Pressure Vessel Inspectors
of	Hartford, CT		have inspec	ted the components described
in this Owner's Report	during the period	r has performed exam	to <i>6 /8/1</i>	Z, and state that prective measures described in
this Owner's Report in	accordance with the requir	rements of the ASME C	Code, Section XI.	
By signing this ce	rtificate neither the Inspec	tor nor his employer ma	akes any warranty, e	pressed or implied, concerning
the examinations and o	orrective measures descri	ibed in this Owners He urv or property damage	port. Furmermore, n	either the Inspector nor his emplarising from or connected with
this inspection.		, c. proporty authore		and a series of the series of
MINS	7901			
THERE	'M	Commissions 1	1B 13977 A,	N. I PA 3020 ate, Province, and Endorsement
	or's Signature		National Board, Str	ite, Province, and Endorsemen
Inspect			· · · · · · · · · · · · · · · · · · ·	

1.	Owner	Exelon Gene Nam		Date MA	Y 12, 201	2				
		200 Exelon Way, Addre		Sheet	_1 of _	2				
2.	Plant	Limerick Genera Nam	ating Station e	·	Unit	1				
	31	46 Sanatoga Roa Addre		19464	Work On Repair/Re		009 CRD EXCHANGE Organization P.O.			
3.	Work Performed i	oy <u>Exelon Gene</u> Nam		· 	Type Cod Authorizat	e Symbol stion No	Stamp N	/A		
	20	00 Exelon Way, Ke Addre		19348	Expiration	Date	N	/ <u>A</u>		
4.	Identification of S	ystem047 (CONTROL ROD	DRIVE	Line No.	10-S299-	54-31			
(5. (a) Applicable Construction Code N/A Edition, N/A Addenda, N/A Code Case N/A (b) Applicable Edition of Section XI Used for Repair / Replacement Activity: 2001 Edition, 2003 Addenda (c) Applicable Section XI Code Cases: N/A 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)		
	CAP CREWS	NOVA	897A	N/A.	N/A	2009	INSTALLED	NO		
7.	Description of Wo	ork: REPLACE 8	CAP SCREWS							
8.	Tests conducted:		☐ Pneumat 1051psi		ninal Operating F 168°F.	ressure D	☑ Exempt □			

	D-RINGS WERE REPLACED AND NEW BOLTING INSTALLED IN CRD LOCATION 54-31
-	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 NA Certificate of Authorization No. NA Expiration Date NA Signed Date Date Date 20 12
	CERTIFICATE OF INSERVICE INSPECTION
	I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period I P/IZ to L/IZ, 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 half be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with
	this inspection. Commissions NB 13977 A,N,T PA 3020 Inspector's Signature National Board, State, Province, and Endorsements Date JUNE 8, 20 17

1. Owner		eration Company,	пс		Date	Ma	rch 13, 2012			
	200 Exelon	urne <u>Way, Kennett Squ</u> dress	are, PA 1934	3	Sheet _	of	2			
2. Plant		nerating Station	. :		Unit		1			
		oga Road, Pottstov dress	vn PA 19464			Work (Repair Organizati	Order No. C0242085 on P.O. No., Job No. (
3. Work Perform	Work Performed by <u>Exelon Nuclear</u> Name						Type Code Symbol StampN/A			
		oga Road, Pottsto dress	wn PA 19464		Expiration DateN/A					
4. Identification of	of System: Control	Rod Drives	(Syste	m 047)	Line No.	EBB-142	Valve XV-04	17-1F181		
(b) Applicab (c) Applicab	and the state of the same and t									
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	-	ther ification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)		
2" Globe valve plug/stem assembly	Anderson Greenwood Crosby	K900054-32- 0002	N/A	PO#	1-60732 258497- 302	N/A	Installed	No		
							· .			
	r Exelon stock code					' 				
Description of Tests conduct			Nominal	Operatin	<u>assembly</u> g Pressure		•			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM NIS-2 (BACK)

9. Remarks: None	 		
	Applicable Manufacturer's D	ata Reports to be attached	
			
			
			· · · · · · · · · · · · · · · · · · ·
	CERTIFICATE OF	COMPLIANCE	
I certify that the statements m	ade in the report are correct and that the	nis conforms to the requirements of	of the ASME Code, Section XI.
Type Code Symbol Stamp			
Certificate of Authorization N	. 1		•
Signed Owner or Owner's D	J.H. Kramer (s	site weld administrator) Date	<u>March 13,</u> , 20 <u>12</u>
	CERTIFICATE OF INSE	ERVICE INSPECTION	
I, the undersigned, holding or Province of PEMUSYLA	a valid commission issued by the Nation	onal Board of Boiler and Pressure HSBCT	Vessel Inspectors and the State of
in this Owner's Report duri	Hartford, CT	have inspe	ected the components described and state that
to the best of my knowledg	e and belief, the Owner has performed ace with the requirements of the ASME	examinations and taken corrective Code. Section XI.	ve measures described in this
By signing this certifica	te neither the Inspector nor his employ e measures described in this Owner's F	er makes any warranty, expressed	d or implied, concerning the
shall be liable in any manne	er for any personal injury or property da		
inspection.	000		•
Inspector's	Commission	ons NB 13977 A.N. I National Board, State, Pro	PA 3020
Date MAY 2	2012	Naudiai Doard, State, Pio	ville, ard Endisements
Date			

,							
1. Owner	Exelon Gene Na	ration Company.	ПС	Date	Ma	rch 28, 2012	
	200 Exelon W Add	/av. Kennett Squaress	are, PA 19348	Sheet	_1of	2	
2. Plant	Limerick Gene	rating Station	Unit		1		
	Na	me ⁻	•				
		a Road, Pottstow	n. PA 19464			rder R1031339 on P.O. No., Job No.	nto
3. Work Perform	ned by <u>Exelon Nucl</u> Na	ear me	· .	I ype Cod Authorizat	e Symbol Stamp tion No.	None None	
	3146 Sanator	a Road, Pottstov	vn, PA 19464	Expiration	Date	None	
4. Identification		ress			ECB-114	Valve XV-048-1F004	IB
	ole Construction Code		-			nda. N/A	Code Case
(b) Applica	ble Edition of Section	XI Utilized for Re	pairs or Replac	cements 2001 with	addenda through		_0000 0030
.,	ble Section XI Code C	ase(s) <u>(v-000- i</u>					
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)
Explosive Valve Inlet Fitting	Mirion Technologies (Conax Nuclear)	8205	8205	* 114-77023 PO# 041513	2011	Installed	Yes
Explosive Valve trigger Body	Mirion Technologies (Conax Nuclear)	8203	8203	* 114-77023 PO# 041513	2011	installed	Yes
	<u> </u>				 		
· · · · · · · · · · · · · · · · · · ·							
* Traceability pe	er Exelon part code nu	mber.	!	<u> </u>	·		
7. Description of	of Work Replaced exp	olosive valve inlet	fitting and trigg	ger body.	·····		<u></u>
8. Tests condu	cted: Hydrostatic Other	Pneumatic Pressure 12	Nominal O 210 psi Tes	perating Pressure t Temp. <u>N/A</u> °	Exempt []		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield N.J. 07007-2300

FORM NIS-2 (BACK)

Remarks: Manufacturer's data reports are traceable by Exelon work order package. Applicable Manufacturer's Data Reports to be attached
Applicable Manufacturer's Data Reports to be attached
Inlet fitting and trigger body fabricated in accordance with ASME III, 1977 edition with summer 1977 addenda.
CERTIFICATE OF COMPLIANCE
Leader that the above well would be the according to the bound that the conformation to the according to
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI Type Code Symbol StampNA
Certificate of Authorization NoNA Expiration Date
Signed J.H. Kramer, site weld administrator Date March 28, 2012 Owner or Owner's Designee, Title
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of Hartford, CT haye inspected the components described
in this Owner's Report during the period 11/12 to 5/6/2 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 NB (39.77 A 4) ? 00 307.0
Commissions N/3 /3977 4 N/2 0 A 3020 Inspector's Signature National Board, State, Province, and Endorsements
Date MAY 10 2012

1. Owner		ration Company.	цс		Date		uly 29, 2011			
	Na	me								
	200 Exelon V Add	/ay, Kennett Squaress	are, PA 19348	·	Sheet	_1 of	2			
2. Plant	Limerick Gene	rating Station			Unit		1			
	Na	ne		· .						
	3146 Sanatoo	a Road, Pottstow	n. PA 19464			Work O	rder # R1017630			
	Add				F	Repair Organizati	on P.O. No., Job No. e	itc.		
3. Work Perform	med by _Exelon Nucl	ear			Type Code	e Symbol Stamp	None			
		me			Authorizat	tion No	None			
_	3146 Sanator	a Road, Pottstov	n. PA 19464		Expiration	Date	None			
4 Identification	Add of System Stand By		(System_M	Ω١	l ine No	ECR-114	Valve XV-048-1F004	^		
			- ·							
5. (a) Applicat	ole Construction Code ble Edition of Section	ASME III	19 <u>77</u>	Edition	n, Sum	mer 1977 Adde	nda, <u> </u>	Code Case		
	ble Section XI Code C				ZO <u>OT WIDT</u>	raugerida unougi	12000			
6 Identification	of Components Repa	ired or Renlaced	and Renlacem	ent Com	nonents					
O. IOGITATIOAGOTT	от сотпропена тера	ilea of Ficpiacea	and i topiacon			·		· 		
				_				ASME		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.		ther fication	Year Built	Corrected, Removed or	Code Stamped		
Component		00.10.		100.10			Installed	(Yes or		
				<u> </u>			 	No)		
Explosive	Mirion	0004	0004	* 114-	77023	0044	Impinitad	V		
Valve Trigger Body	Technologies (Conax Nuclear)	8204	8204	PO# ()41513	2011	Installed	Yes		
Explosive	Mirion									
Valve Inlet	Technologies	8206	8206		77023 041513	2011	Installed	Yes		
Fitting	(Conax Nuclear)							1		
				l						
	,	-								
				1						
* Traceability pe	er Exelon part code nu	mber.		L		L		1		
	of Work Replaced SL		triager body s	and inlet f	ittina					
r. Description (OF VACIN Habiacen ST	S EVNICOING NOTING	ungger body e	2174 11101	nu lu					
8. Tests condu	cted: Hydrostatic	Pneumatic D	Nominal O	perating	Pressure	■ Exempt □				
o. rosa condu	Other	Pressure 120								
NOTE: Sum	nlemental sheets in fo	m of lists sketch	es, or drawing	s mav be	used nm	vided (1) size 8 1	/2 in. x 11 in (2) info	ma-		
tion in items	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.									

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield N.J. 07007-2300

FORM NIS-2 (BACK)

Remarks: Manufacturer's data reports are traceable by Exelon work order package. Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed J.H. Kramer, site weld administrator Date July 29, 2011
Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of
Hartford, CT have inspected the components described in this Owner's Report during the period 23 MAY 2011 to 28 OUTCOCK 2011, and state that
in this Owner's Report during the period 25 MAY 2011 to 24 0000 K 2011, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this
inspection.
MIMINING TO THE STATE OF THE ST
Commissions NB 13977 A, N, T PA 3020 Inspector's Signature National Board, State, Province, and Endorsements
Inspector's Signature National Board, State, Province, and Endorsements
Date 29 OCTOISER 2011

1. Owner		eration Company.	ЩС	Date	Ap	ril 24, 2012	
	200 Exelon	ame <u>Way, Kennett Squ</u> dress	are, PA 19348	3 Sheet _	of	2	·
2. Plant	Limerick Ge N	nerating Station ame		Unit		1	
		oga Road, Pottstov dress	wn PA 19464	· 		Order No. R0936302 ion P.O. No., Job No. e	etc.
3. Work Perform	ed by <u>Exelon Nu</u> N	clear ame	Type Co	de Symbol Stamp			
·		oga Road, Pottsto dress	wn PA 19464		n Date		
4. Identification of	of System: Reactor	Core isolation Coc	oling (System	049) Line No.	HBB-103	Valve	049-1F011
(b) Applicab	e Construction Cod- le Edition of Section le Section XI Code of Components	n XI Utilized for Re	pairs or Repla	Summer 1973 cements: 2001 edir	_Addenda,tion with addenda	_N/ACode Case through 2003	es
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)
6" Check Valve Disc	Velan	S/N 8028 Heat No. 217H517	N/A	* 114-42159 PO# 022892	2007	Installed	Yes
			·		·		
	r Exelon stock code		* · · · · · · · · · · · · · · · · · · ·			···-·	
7. Description of 8. Tests conduct		RCIC check valve Pneumatic	Nominal (Operating Pressure	e □ Exempt ■		*

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

9. Remarks : Manufacturers data reports are traceable by Exelon work order package and purchase order.
Applicable Manufacturer's Data Reports to be attached
Valve disc constructed to ASME III, 1971 edition with addenda through Winter 1972.
· · · · · · · · · · · · · · · · · · ·
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date NA
Signed J.H. Kramer (site weld administrator) Date April 24 , 2012 Owner or Owner's Designee, Title
Owner's Designee, Title
OFFICIAL OF INGENIAL INCOME.
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
in this Owner's Report during the period
in this Owner's Report during the period 4/24/12 to 6/4/12 and state that to the best of my knowledge and belief the Owner has performed examinations and taken corrective measures described in this
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.
M + 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
Commissions WB 13577 A.N. T. PA 30 ZO Inspector's Signature National Board, State, Province, and Endorsements
Date JUNE 4 2012

1. Owner		neration Company, ame	цс	Date	Ma	arch 22, 2012	····
	200 Exelon	Way, Kennett Squ	pre. PA 19348	Sheet	1 of	2	
		dress					
2. Plant	Limerick Ge	enerating Station		Unit		1	
	N	ame			•		
		oga Road, Pottsto	wn PA 19464		Work	Order No. C0242025	
		dress			_	tion P.O. No., Job No. 6	
3. Work Perform	ed by <u>Exelon Nu</u> N	clear ame	·	Type Co	de Symbol Stamp ation No	N/A N/A	
	• •		DA 40404				
		oga Road, Pottsto Idress	Wn PA 19464	Expiratio	n Date	N/A	
4 Identification	of System: Reactor	Core isolation Coc	olina (System	049) Line No.	DBA-107-01	Valve HV	-049-1F008
4. Identification	or Cystem. <u>Treastor</u>	COIO ISOMINATO COL	· CYCLCIII	<u> </u>	DDR 107 01	<u> </u>	0-10 11 000
5. (a) Applicabl	e Construction Cod	e ASME III 19	74 Edition,	Winter 1974	Addenda,	N/ACode Cases	
(b) Applicat	ole Edition of Section ole Section XI Code	n XI Utilized for Re	pairs or Repla	cements: 2001 edit	tion with addenda	through 2003	
		- 140He					
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)
3" Globe Valve Disc	Flowserve	L9760-1-1	N/A	* 114-07833 PO# 045298	2011	Installed	Yes
3" Globe Valve Stem	Flowserve	Trace Code 40506 S/N 1	'N/A	* 114-97771 PO# 045298	,N/A	Installed	No
	÷		·				
		·					
* Traceability pe	r Exelon stock code	number.					
	work: Replaced 3				·	- 	
8. Tests conduc		□ Pneumatic □ VA PSI Test		Operating Pressure °F.	e □ Exempt ■		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	acturer's Data Reports to be attached
CERTIF	FICATE OF COMPLIANCE
certify that the statements made in the report are correct	and that this conforms to the requirements of the ASME Code, Section XI.
une Code Symbol Stamp NA	
ertificate of Authorization NoNA	Expiration Date
igned Game & Kram J.H.	. Kramer (site weld administrator) Date March 22 . 2012
Owner or Owner's Designee, Title	<u>Expiration Date</u> <u>Kramer (site weld administrator)</u> Date <u>March 22</u> , 20 <u>12</u>
CEDTICICAT	E OF INSERVICE INSPECTION
<u></u>	E OF INSERVICE INSPECTION
I the undersigned holding a valid commission issued to	by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
I the undersigned holding a valid commission issued to	by the National Board of Boiler and Pressure Vessel Inspectors and the Sta
I, the undersigned, holding a valid commission issued to r Province of (というよして and employed Hartford, CT in this Owner's Report during the period \$/3/1	by the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBCT and have inspected the components describe to
I, the undersigned, holding a valid commission issued by or Province of (EUN) LAME and employed Hartford, CT in this Owner's Report during the period \$\frac{\\$5/3/1\}{1}\$ to the best of my knowledge and belief, the Owner has	by the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBCT have inspected the components describe to to the Lambda of the Components described in this
i, the undersigned, holding a valid commission issued to reprovince of (LNN) LNN A and employed Hartford, CT in this Owner's Report during the period \$\frac{\\$5/3/1\}{1}\$ to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of	by the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBCT have inspected the components describe to
I, the undersigned, holding a valid commission issued to reprovince of (LNN) LNN A and employed Hartford. CT in this Owner's Report during the period \$\frac{\\$\\$\\$}3/1\\$\tag{1}\$ to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor rexaminations and corrective measures described in this	by the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBCT have inspected the components described to
I, the undersigned, holding a valid commission issued by or Province of Public Lynn A and employed Hartford, CT in this Owner's Report during the period \frac{\frac{5}{3}\frac{1}{1}}{1} to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor rexaminations and corrective measures described in this shall be liable in any manner for any personal injury or p	by the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBCT have inspected the components described to
I, the undersigned, holding a valid commission issued to reprovince of KENDYLVANIA and employed Hartford. CT in this Owner's Report during the period \$\frac{\\$\sigma_1/1}{\\$\text{to}\}\$ to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor rexaminations and corrective measures described in this	by the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBCT have inspected the components described to
I, the undersigned, holding a valid commission issued to reprovince of PENNYLVINIA and employed Hartford, CT in this Owner's Report during the period 5/3/1 to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor rexaminations and corrective measures described in this shall be liable in any manner for any personal injury or prinspection.	have inspected the components describe to have inspected the components describe to have inspected the components describe and state the performed examinations and taken corrective measures described in this the ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the components Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this
I, the undersigned, holding a valid commission issued to or Province of PENNYLVINIA and employed Hartford, CT in this Owner's Report during the period 5/3/11 to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor reasonizations and corrective measures described in this shall be liable in any manner for any personal injury or prinspection.	have inspected the components describe to have inspected the components describe to have inspected the components describe and state the performed examinations and taken corrective measures described in this the ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the components Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this
I, the undersigned, holding a valid commission issued to or Province of RENNICLANDA and employed Hartford, CT in this Owner's Report during the period \$/3/11 to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor hexaminations and corrective measures described in this shall be liable in any manner for any personal injury or prinspection. Manual August 1.	by the National Board of Boiler and Pressure Vessel Inspectors and the State by HSBCT have inspected the components described to
I, the undersigned, holding a valid commission issued to reprovince of PENNYLVINIA and employed Hartford, CT in this Owner's Report during the period 5/3/1 to the best of my knowledge and belief, the Owner has Owner's Report in accordance with the requirements of By signing this certificate neither the Inspector nor rexaminations and corrective measures described in this shall be liable in any manner for any personal injury or prinspection.	have inspected the components describe to have inspected the components describe to have inspected the components describe and state the performed examinations and taken corrective measures described in this the ASME Code, Section XI. his employer makes any warranty, expressed or implied, concerning the components Report. Furthermore, neither the Inspector nor his employer property damage or a loss of any kind arising from or connected with this

										
Exelon Generation Company, LLC Name					Date April 24, 2012					
	200 Exelon Ad	Way, Kennett Squ dress	uare. PA 19348	Sheet	1 of	2				
2. Plant	Plant Limerick Generating Station Name					1	 			
. 	3146 Sanate Ad	oga Road, Pottstov dress	wn PA 19464	··· <u> </u>	Work Repair Organiza	Order No. C0242031 tion P.O. No., Job No.	etc.			
8. Work Performed by <u>Exelon Nuclear</u> Name					Code Symbol Stamprization No	N/A N/A				
	3146 Sanat Ad	tion Date	N/A							
4. Identification of System: Reactor Core isolation Cooling (System 049) Line No. HBB-145-01 Valve HV-049-1F080										
5. (a) Applicable (b) Applicable (c) Applicable 6. Identification 6	5. (a) Applicable Construction Code <u>ASME_III19_71Edition,Summer_1971Addenda,N/ACode Cases</u> (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) <u>None</u> 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)			
3" Gate Valve Disc	Flowserve	07208-Z439	N/A	* 114-26315 PO# 257797- 526		Installed	Yes			
					·					
* Traceability pe	r Exelon stock code	number.	<u>. </u>			L <u>., </u>				
7. Description of	f work: Replaced 3" ted: Hydrostatic	RCIC gate valve	Nominal (Operating Press		tisfactory leak rate testi	ng.			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

CERTIFICATE OF COMPLIANCE certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp NA Certificate of Authorization No. NA Expiration Date J.H. Kramer (site weld administrator) Date April 24 2012 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stator Province of P	Remarks <u>: Manufacturers data reports are</u> Ap	oplicable Manufacturer's	Data Reports to be attach	ed	•	
Certificate of Authorization No. NA Expiration Date Signed J.H. Kramer (site weld administrator) Date April 24 2012 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HSBCT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12 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 13 13 17 A N I PA 3 0 2.0 National Board, State, Province, and Endorsements	<u>, </u>		· · ·			
Certificate of Authorization No. NA Expiration Date Signed J.H. Kramer (site weld administrator) Date April 24 2012 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HSBCT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12 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 13 13 17 A N I PA 3 0 2.0 National Board, State, Province, and Endorsements				· · · · · · · · · · · · · · · · · · ·		
Certificate of Authorization No. NA Expiration Date Signed J.H. Kramer (site weld administrator) Date April 24 2012 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HSBCT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12 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 13 13 17 A N I PA 3 0 2.0 National Board, State, Province, and Endorsements						
Certificate of Authorization No. NA Expiration Date Signed J.H. Kramer (site weld administrator) Date April 24 2012 CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by HSBCT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12 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 13 13 17 A N I PA 3 0 2.0 National Board, State, Province, and Endorsements					<u> </u>	
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stator Province of PENDS/LIANIA and employed by HSBCT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/12/12 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 13 177 A, N, T, RA 3 0 2.0 Inspector's Signature Commissions 13 177 A, N, T, RA 3 0 2.0 National Board, State, Province, and Endorsements		CERTIFICATE C)F COMPLIANCE			
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stator Province of PENNSYLVANIA and employed by HSBCT nave inspected the components described in this Owner's Report during the period 3/13/12 to 6/2/12 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 N3 13 977 A, N I PA 3 0 20 Inspector's Signature National Board, State, Province, and Endorsements	certify that the statements made in the re	port are correct and that	this conforms to the requ	irements of the AS	ME Code, Section 3	KI.
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stator Province of PENNS L. VANIA and employed by HSBCT on Hartford, CT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12 and state that to the best of my knowledge and belief, the Owner has performed examinations and laken 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 N/3 13 177 A, N, T, PA 3 0 2.6 National Board, State, Province, and Endorsements	ype Code Symbol Stamp N	Α				
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stator Province of PENNS L. VANIA and employed by HSBCT on Hartford, CT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12 and state that to the best of my knowledge and belief, the Owner has performed examinations and laken 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 N/3 13 177 A, N, T, PA 3 0 2.6 National Board, State, Province, and Endorsements	Certificate of Authorization No	NA		Expirati	on Date	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSTLIANIA and employed by HSBCT or Province of Hartford, CT Inave inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12, 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 N3 13 177 A, N, T, PA 3 0 2 0 Inspector's Signature National Board, State, Province, and Endorsements						
or Province of PENNSTLANIA and employed by HSBCT have inspected the components described in this Owner's Report during the period 3/13/12 to 6/6/12 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 N/3 13 977 A N I PA 3 0 2 0		CERTIFICATE OF IN	SERVICE INSPECTION		·	
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 N3 13977 A N I PA 3020 Inspector's Signature National Board, State, Province, and Endorsements	I, the undersigned, holding a valid com	mission issued by the Na	ational Board of Boiler and	Pressure Vessel	Inspectors and the	State
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in 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 N3 13977 A N I PA 3020 Inspector's Signature National Board, State, Province, and Endorsements	or Province of <u>FEMASIL V RAVITE</u> Hartford	and employed by d. CT		have inspected the	components descr	_oi ibed
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 N3 13977 A N I PA 3020 Inspector's Signature National Board, State, Province, and Endorsements	in this Owner's Report during the period	3/13/12	to	0/6/12	, and state	tha
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 N3 13 177 A N I PA 3 0 20 Inspector's Signature National Board, State, Province, and Endorsements	to the best of my knowledge and belief, Owner's Report in accordance with the	, the Owner has performe requirements of the ASM	∌d examinations and take IE Code. Section XI.	n corrective measu	ires described in thi	S
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 1/3 i3 177 A, N, I PA 3 0 20 Inspector's Signature National Board, State, Province, and Endorsements	By signing this certificate neither the	e Inspector nor his emple	oyer makes any warranty,	expressed or impl	ied, concerning the	
inspection. MM	examinations and corrective measures	described in this Owner's	Report. Furthermore, ne	ither the Inspector	nor his employer	
Commissions N3 13 977 A, N, I PA 3 0 2 0 Inspector's Signature National Board, State, Province, and Endorsements	snaii oe iiabie in any manner iorany des	rsonal injury or property t	Jamage of a loss of any k	and ansing nom or	connected with this	
Date 1 VA/E 6 2012		Commis	sions N/2 13977	ANI	PA 3020	
	inspection. MMD Ell	Commiss	sions N3 i3 977,	State, Province, ar	PA 3020 nd Endorsements	_

1.	Owner	Exelon Generation Company, LLC Name	DateM	arch 31, 2012
		200 Exelon Way, Kennett Square, PA 19348 Address	Sheet of	
2.	Plant	Limerick Generating Station Name	Unit	1
		3146 Sanatoga Road, Pottstown PA 19464 Address		der No. C0242264 tion P.O. No., Job No. etc.
3.	Work Performed by	Exelon Nuclear Name	Type Code Symbol Stam Authorization No.	
•		3146 Sanatoga Road, Pottstown PA 19464 Address	Expiration Date	N/A
4.	Identification of Syst	em: Reactor Core isolation Cooling (System 049)	Line No. HBB-145-01	Valve HV-049-1F080
5.	(b) Applicable Edit	struction Code <u>ASME III</u> 19 <u>74</u> Edition, <u>Win</u> ion of Section XI Utilized for Repairs or Replacements tion XI Code Case(s) <u>N-686-1</u>		
e	Identification of Com	nonente		

6.	Identification	of 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)
3" Gate Valve HV-049-1F080	Flowserve	AW 143	N/A	Existing 3" Gate Valve	2004	Corrected	Yes
HBB-145-H03 (1) Foot L3 x 3 x 3/8" Angle	Steel Dynamics	Heat No. JG7203	N/A	* 114-92716 PO# 001897- 986	N/A	Installed	No
HBB-145-H03 5/8" Steel Shim Plate	Nucor Steel	Heat No. 7102375-04	N/A	* 114-09625 PO# 001897- 989	N/A	Installed	No
HBB-145-H03 1/8" Steel Shim Plate	Nucor Steel	Heat No. S85525-07	N/A	* 114-59486 PO# 001897- 1066	N/A	Installed	No

Traceability per Exelon stock code and purchase order number.

7.	Description of work: Cut-out and rotated existing 3" gate valve HV-049-1F080 from horizontal to vertical position.	Replaced pipe support
CO	mponents to access pipe welds.	

8.	Tests conducted:	Hydrostatic	Pneumatic	□ Nominal Operating	g Pressure	Exempt
		Other 🗆999	PSI Test	Temp. N/A °F.		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks : Work completed in accordance with Exelon design change ECR 12-00119.
Applicable Manufacturer's Data Reports to be attached
Pipe support replacements were completed in accordance with ASME B31.7, 1969 edition and march 1971 addenda.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed J. W. J.H. Kramer (site weld administrator) Date March 31 , 2012
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of YENNSILVANIA and employed by HSBCT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/15/12 to 4/3/12, 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.
in this Owner's Report during the period 3/15/12 to 4/3/17 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.
201 401 11
Commissions NB 13977 A N. I. PA 3670
Commissions NB 13977 A. N. F. Ph. 3070 Inspector's Signature Commissions NB 13977 A. N. F. Ph. 3070 National Board, State, Province, and Endorsements
Date APRIL 3 2012.

1. Owner Exelon Generation Company, LLC Name 200 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 2 Address 2. Plant Limerick Generating Station Name 3146 Sanatooa Road, Pottstown, PA 19464 Address 3. Work Performed by Exelon Nuclear Type Code Symbol Stamp None 3146 Sanatooa Road, Pottstown, PA 19464 Expiration No. Not applicable Address 3. Work Performed by Exelon Nuclear Type Code Symbol Stamp None 3146 Sanatooa Road, Pottstown, PA 19464 Expiration No. Not applicable Address 4. Identification of System RCIC & RCIC Turbine (System 049 and 050) Line No. HBB-107 PSE-050-1D001 5. (a) Applicable Construction Code ASME III 1998 Edition, N/A Addenda, N/A Code Case (b) Applicable Section XI Code Case(s) N/A 6. Identification of Components Name of Manufacturer Serial No. N/A Name of Manufacturer Serial No. N/A POW 027241 2008 Installed Yes * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard nurture disc and vacuum support hobter. * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard nurture disc and vacuum support hobter. Nominal Operating Pressure Exempt □ Component □ Exempt □ Component □ Reptard □ Reserve □ Res								
Address 2. Plant Limerick Generating Station Unit	1. Owner			.с	Date	Nover	nber 3, 2011	
Name 3146 Sanatoga Read. Pottstown, PA 19464 Address Repair Organization P.O. No., Job No. etc. 3. Work Performed by Exelon Nuclear Name 3146 Sanatoga Read. Pottstown. PA 19464 Address Repair Organization P.O. No., Job No. etc. None Not applicable 3146 Sanatoga Read. Pottstown. PA 19464 Address 4. Identification of System RCIC & RCIC Turbine (System 049 and 050) Line No. HBB-107 PSE-050-1D001 5. (a) Applicable Construction Code ASME_III 1998 Edition, NA Addenda, NA Code Case (b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) NA 6. Identification of Components Name of Component Name of Name of Manufacturer Serial No. Beard No. Other Identification Year Corrected, Removed or Installed No. PSE-050-1D001 Rupture Disc and Vacuum support * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust into and rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt □				e, PA 19348	Sheet1	of	2	
3146 Sanatoga Road, Pottstown, PA 19464 Address Repair Organization P.O. No., Job No. etc. 3. Work Performed by Exeion Nuclear Name Authorization No. 3146 Sanatoga Road, Pottstown, PA 19484 Address Address 4. Identification of System RCIC & RCIC Turbine (System 049 and 050) 5. (a) Applicable Construction Code ASME III 1998 Edition, N/A Addredd, N/A Code Case (b) Applicable Schion of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addrenda through 2003 6. Identification of Components Name of Component Name of Manufacturer Serial No. No. No. Chief Identification Year Corrected, Removed or Installed No. PSE-050-1D001 Removed or Sixniped (Yes or No.) PSE-050-1D001 PSE-050-1D0	2. Plant			· · · · · · · · · · · · · · · · · · ·	Unit		1	
Address Repair Organization P.O. No., Job No. etc. Type Code Symbol Stamp None		Nan	ne					
3. Work Performed by Exelon Nuclear Name Authorization No. Not applicable Not applicable 3146 Sanatoga Road, Pottstown, PA 19484 Expiration Date Not applicable Address 4. Identification of System_RCIC & RCIC Turbine (System 049 and 050) Line No. HBB-107 PSE-050-1D001 5. (a) Applicable Construction Code ASME III 1998 Edition, NA Addenda, NA Code Case (b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) NA 6. Identification of Components Name of Component Manufacturer Serial No. Board No. Other Identification Year Corrected, Removed or Installed (Yes or No) PSE-050-1D001 Continental Disc 8115067A N/A PO# 027241 2008 Installed Yes * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Nominal Operating Pressure ■ Exempt □				PA 19464	W	<u>ork Order Ne</u> r Organizatio	o, R1100958 on P.O. No., Job No.	etc.
Name 3146 Sanatoga Road, Pottstown, PA 19464 Address 4. Identification of System_RCiC & RCiC Turbine (System 049 and 050) 5. (a) Applicable Construction Code ASME III 1998 Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XI Code Case(s) N/A 6. Identification of Components Name of Component Name of Manufacturer Serial No. No. No. Continental Disc N/A N/A PO# 027241 2008 Installed Yes * Traceability per Exelon stock code number. 7. Description of work: Replace RCiC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic □ Pneumatic □ Nominal Operating Pressure ■ Exempt □	3. Work Performed	by Exelon Nucle	ear			_	None	
4. Identification of System_RCIC & RCIC Turbine (System 049 and 050) Line No. HBB-107 PSE-050-1D001 5. (a) Applicable Construction Code ASME_III 1998_Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A 6. Identification of Components Name of Component Name of Manufacturer Serial No. Serial No. Other Identification Year Corrected, Removed or Installed (Yes or No) PSE-050-1D001 Rupture Disc and Vacuum support * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Perumatic Nominal Operating Pressure Exempt □					Authorization N	0	Not applical	ole
5. (a) Applicable Construction Code ASME III 1998 Edition, N/A Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A 6. Identification of Components Name of Component Name of Manufacturer Serial No. Serial No. No. Other Identification Pear Built Removed or Installed (Yes or No) PSE-050-1D001 Continental Disc 8115067A N/A PO# 027241 2008 Installed Yes * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt □				n. PA 19464	Expiration Date		Not applical	ole
(b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N/A 6. Identification of Components Name of Component Name of Manufacturer Serial No. National Board No. Other Identification Year Built Corrected, Removed or Installed (Yes or No)	4. Identification of	System_RCIC & RC	CIC Turbine (Syste	em 049 and 0	50) Line No. HBB	-107	PSE-050-1D	001
Name of Component Name of Manufacturer Serial No. Name of Manufacturer Serial No. No. No. Other Identification Year Built Removed or Installed (Yes or No) PSE-050-1D001 Rupture Disc and Vacuum support * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure	(b) Applicable	Edition of Section 3	(I Utilized for Repa	irs / Replacen	ition, <u>N/A</u> nent Activity 20 <u>01 editio</u>	Addenda n with adde	, N/A Coo	le Case
Name of Component Name of Manufacturer Serial No. National Board No. Other Identification Year Built Removed or Installed (Yes or No) PSE-050-1D001 Rupture Disc and Vacuum support Disc 8115067A N/A PO# 027241 2008 Installed Yes * Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support Installed No. Nominal Operating Pressure Exempt □	6. Identification of 0	Components					, 	
* Traceability per Exelon stock code number. 7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt	,			Board	Other Identification		Removed or	Code Stamped (Yes or
7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt	Rupture Disc and		8115067A	N/A		2008	Installed	Yes
7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt								
7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt						·		
7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt								
7. Description of work: Replace RCIC turbine exhaust inboard rupture disc and vacuum support holder. 8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt								
8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure	* Traceability per E	xelon stock code n	umber.					
		i: Hydrostatic 🗆	Pneumatic	Nominal Op	erating Pressure 📕 I	ort holder. Exempt		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 ln. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks <u>Manufacturers data reports are traceable by work order package.</u> Applicable Manufacturer's Data Reports to be attached
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Certificate of Authorization No. NA Expiration Date NA
Signed J.H. Kramer (site weld administrator) Date November 3 , 2011 Other or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described
Hartford, CT have inspected the components described in this Owner's Report during the period 6/20/11 to 11/28/11 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.
MIH P II
Commissions NB 13977 A, N, T PA 30 20 Inspector's Signature National Board, State, Province, and Endorsements
Date 28 NOVEMBER 2011

		· · · · · · · · · · · · · · · · · · ·	<u>, - , - , - , - , - , - , - , - , - </u>				
1. Owner	Exelon Gene	ration Company, LL	С	Date	Nover	nber 3, 2011	
		/ay. Kennett Squar	e. PA 19348	Sheet1	_ of	22	····
2. Plant		erating Station	·.	Unit		1	
	Nai	пе <u>a Road, Pottstown,</u>	PA 19464	W	ork Order No	o. R1100959	
	Add			Repair	Organization	on P.O. No., Job No.	etc.
3. Work Performed	by Evolon Nucl	001		Time Code Sim	hal Stamp	None .	
3. WORK PERIORITIES	Nai		Authorization N	0	None Not applicate	ble	
	3146 Sanato	ga Road, Pottstow	n. PA 19464	Expiration Date		Not applica	ble
4. Identification of S			em 049 and 0	50) Line No. HBB	-107	PSE-050-1D	002
(b) Applicable	Edition of Section Section XI Code C	ASME III XI Utilized for Repa ase(s) N/A	irs / Replacer	lition, <u>N/A</u> ment Activity 20 <u>01 editio</u>	Addenda, n with adder	N/A Coo nda through 2003	de Case
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)
PSE-050-1D002 Rupture Disc and Vacuum support	Continental Disc	8180523A	N/A	* 114-34519 PO# 043115	2011	Installed	Yes
		 				· · · · · · · · · · · · · · · · · · ·	
* Traceability per E	kelon stock code i	l	L	L	L	L	
••	ork: Replaced RC i: Hydrostatic D	IC turbine exhaust	Nominal Op	ure disc and vacuum su perating Pressure D	pport holder xempt		
	Other 🗆N	/A_psi Test Te	mp. <u> </u>	°F.			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks <u>Manufacturers data reports are traceable by work order package.</u> Applicable Manufacturer's Data Reports to be attached.	nd
Applicable Manufacturers Data Reports to be attach	ea
	•
	•
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requi	rements of the ASME Code. Section XI
Type Code Symbol StampNA	
Certificate of Authorization NoNA	Expiration DateNA
Signed J.H. Kramer (site weld administrator) Date	November 3 , 2011
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and	Pressure Vessel Inspectors and the State
or Province of <u>Pennsylvania</u> and employed by <u>HSBCT</u> Hartford, CT	
in this Owner's Report during the period 7/13/11 to	11/13/11 and state that
to the best of my knowledge and belief, the Owner has performed examinations and taker	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, nei	ther the Inspector nor his employer
shall be liable in any manner for any personal injury or property damage or a loss of any ki inspection.	nd arising from or connected with this
(1) 20 1 Commissions 10/3 13977	A.N.Z PA 3070
Commissions N/3 i3977 Inspector's Signature Commissions National Board, s	State, Province, and Endorsements
Date 28 NOVEMBER 2011	
Date - 4 /4D 101111011 CO 1	

			بر بسنین بند					
1. Owner	Exelon Gen	eration Company. ame	пс		Date	м	arch 27, 2012	
~ · · · · ·		Way, Kennett Squ dress	uare, PA 19348	<u> </u>	Sheet _	of	2	
2. Plant		nerating Station			Unit		1	
	3146 Sanato	as Boad Bottoto	DA 10464			\A/ork	Order No. C0239328	
		dress	MILEM 19404			Repair Organizat	on P.O. No., Job No.	etc.
2 Work Borform	od by Evelop Nu	dear		•	Time Co	de Symbol Stamp	N/A	
3. Work Performed by Exelon Nuclear Name						ation No	N/A	
		oga Road, Pottsto dress	wn PA 19464		Expiratio	n Date	N/A_	
4. Identification of System: Residual Heat Removal (System 051) Line No. GBB-107-01 Valve HV-051-1F024							-051-1F024A	
(b) Applicab (c) Applicab	e Construction Code le Edition of Section le Section XI Code of Components Rep	n XI Utilized for Re Case(s) <u>None</u>	pairs or Repla —	cements:	2001 edi	Summer 1971_Action with addenda	Idenda, <u>N/A</u> through 2003	Code Case
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Otl Identif		Year Built	Corrected, Removed or installed	ASME Code Stamped (Yes or No)
18" Globe Valve Disc	Flowserve	K6883-1	N/A	* 114- PO# 0		2010	Installed	Yes
						_		
* Traceability pe	r Exelon stock code	number.	<u> </u>	·		<u> </u>		
7. Description of 8. Tests conduct	work: Replaced 18 ted: Hydrostatic Cother Country	Pneumatic [Operating				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks : Manufacturers data reports are traceable by Exelon work order package and purchase order. Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed J.H. Kramer (site weld administrator) Date March 27. , 2012 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by HSBCT of Hartford, CT have inspected the components described
in this Owner's Report during the period
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 NB 13977 A.N. I. PA 30 ZO Inspector's Signature National Board, State, Province, and Endorsements
Date APRIL 2 2017

			iti <u>a</u>				·	
1. Owner	<u>Exelon Gene</u> Nar	ration Company, LL ne	<u>c</u>		Date	 	April 10, 2012	
	200 Exelon V Add	Vay, Kennett Square	e, PA 19348		Sheet1	of	2	
2. Plant		erating Station			Unit		1	
	Nai		DA 10464			Marie Ordan A	I- C0000001	
	3146 Sanatog Add	<u>a Road, Pottstown,</u> ress	PA 19404		Re	<u>Work Order N</u> pair Organization	on P.O. No., Job No. (etc.
3. Work Performed		ear me		.	Type Code S Authorization	Symbol Stamp	None Not applicat	ole
.· 	3146 Sanato	ga Road, Pottstowr	ı. PA 19464	·			Not applicat	
4. Identification of S			(System	<u>051)</u>	Line No. G	3B-101-01	Valve HV-C-0	51-1F048A
(b) Applicable	Edition of Section	ASME III XI Utilized for Repa ase(s) <u>N-578-1. N</u>	irs / Replacer	dition, nent A	Winter 197 ctivity 20 <u>01 ec</u>	4Addendation with adde	a, <u>N/A</u> C nda through 2003	code Case
6. Identification of 0	Components Repa	ired or Replaced ar	d Replaceme	ent Con	nponents			
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Othe	er Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped (Yes or No)
18" Valve HV-C-051-1F048A	Fisher Valve	BF-256071	N/A	HV-C	-051-1F048A	1979	Corrected	Yes
3/8" Plate, Taper Pin Covers	Peach Tree Metals	Heat No. 5CH8	N/A		14-03242 001897-880	N/A	Installed	No
(1) Foot 18" NPS Pipe	United States Steel	Heat No. A02932	N/A		14-90075 O# 042733	N/A	Installed	No
			·					
* Traceability through	h Exelon stock co	de number				, <u> </u>		
7. Description of w	ork: Cut-out and I	replaced 18" RHR p	ipe to access	Fishe	r butterfly valv	e disc to secur	e the taper pins.	
8. Tests conducted		Pneumatic []			Pressure	Exempt D		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks Work completed in accordance with Exelon design change ECR 07-00273.
Applicable Manufacturer's Data Reports to be attached
Butterfly valve disc taper pins were secured to mitigate movement identified in NRC IN 2005-23.
Valve HV-C-051-1F048A was constructed to ASME III, 1974 edition with addenda through summer 1975 and code case 1635-1.
Pipe fabrication and welding was in accordance with ASME III, 1974 edition with addenda through winter 1974.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization NoNAExpiration DateNA
Signed Go U. K. J.H. Kramer, site weld administrator Date April 10 , 2012 Owner or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of
in this Owner's Report during the period 3/3/10 have inspected the components described 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.
MI the I have the
Inspector's Signature Commissions PX 30 W NS 13977 A N 12 National Board, State, Province, and Endorsements
Date APRIL 17 2012

	Exelon Gen	eration Company. ame	ггс	Date		April 5, 2012	
		Way. Kennett Squ dress	are. PA 19348	Sheet _	of	2	
2. Plant		nerating Station	'-	· Unit	· · · · · · · · · · · · · · · · · · ·	1	
		oga Road, Pottstor dress	wn PA 19464		Work (Order No. C0228915 ion P.O. No., Job No.	etc.
3. Work Performe		clear ame		Type Co	ode Symbol Stamp zation No.	N/A N/A	
		oga Road, Pottsto dress	wn PA 19464	Expiration	on Date	N/A	
4. Identification of	System: Residua	l Heat Removal	(Syster	n 051) Line No	. GBC-103-01	Valve HV	-051-1F068A
(b) Applicable	e Edition of Section e Section XI Code	n XI Utilized for Re Case(s) <u>None</u>	pairs or Repla —	cements: 2001 ed	lition with addenda	idenda, N/A through 2003	Code Case
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)
HV-051-1F068A 20" Globe Valve	Flowserve	BI-133	N/A	* 114-22977 PO# 257797- 705	2009	Installed	Yes
HV-051-1F068A 20" Globe Valve	Anchor Darling	3N-246	N/A	N/A	1976	Removed	Yes
	ř.		1				
			<u> </u>		 -		
* Traceability per							

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

	icable Manufacturer's Data Reports to be attached
	· · · · · · · · · · · · · · · · · · ·
	
•	CERTIFICATE OF COMPLIANCE
ertify that the statements made in the repo	ort are correct and that this conforms to the requirements of the ASME Code, Section XI.
pe Code Symbol Stamp NA	
ertificate of Authorization No	NA Expiration Date
gned Jan J. Kram	J.H. Kramer (site weld administrator) Date April 5. 2012
Owner or Owner's Designee, Title	
	CERTIFICATE OF INSERVICE INSPECTION
I the undersigned holding a valid commis	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat
I, the undersigned, holding a valid commis or Province of <u>Pennsylvania</u>	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT
I, the undersigned, holding a valid commis or Province of Pennsylvania Hartford. C in this Owner's Report during the period to the best of my knowledge and belief, the	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT CT have inspected the components described by to to to the Components described in this the Owner has performed examinations and taken corrective measures described in this
I, the undersigned, holding a valid commis or Province of Pennsylvania Hartford. (in this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the recommendation.	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT CT have inspected the components described by to 1/6/12, and state the component of the ASME Code, Section XI.
I, the undersigned, holding a valid commissor Province of Pennsylvania Hartford. On this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the recensive By signing this certificate neither the life examinations and corrective measures despring the statement of the sta	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT CT have inspected the components described to Alberta and state the component of the ASME Code, Section XI. Inspector nor his employer makes any warranty, expressed or implied, concerning the scribed in this Owner's Report. Furthermore, neither the Inspector nor his employer
I, the undersigned, holding a valid commis or Province of Pennsylvania Hartford. (in this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the recept By signing this certificate neither the lie examinations and corrective measures deshall be liable in any manner for any personal provinces.	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT CT have inspected the components described by Albard and state the Cover has performed examinations and taken corrective measures described in this quirements of the ASME Code, Section XI. Inspector nor his employer makes any warranty, expressed or implied, concerning the
I, the undersigned, holding a valid commissor Province of Pennsylvania Hartford. On this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the recensive By signing this certificate neither the life examinations and corrective measures despring the statement of the sta	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT CT have inspected the components described to Alberta and state the component of the ASME Code, Section XI. Inspector nor his employer makes any warranty, expressed or implied, concerning the scribed in this Owner's Report. Furthermore, neither the Inspector nor his employer
I, the undersigned, holding a valid commis or Province of Pennsylvania Hartford. (in this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the recept By signing this certificate neither the lie examinations and corrective measures deshall be liable in any manner for any personal provinces.	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT of the Inspected the components described by the Owner has performed examinations and taken corrective measures described in this quirements of the ASME Code, Section XI. Inspector nor his employer makes any warranty, expressed or implied, concerning the scribed in this Owner's Report. Furthermore, neither the Inspector nor his employer onal injury or property damage or a loss of any kind arising from or connected with this
I, the undersigned, holding a valid commis or Province of Pennsylvania Hartford. (in this Owner's Report during the period to the best of my knowledge and belief, the Owner's Report in accordance with the recept By signing this certificate neither the lie examinations and corrective measures deshall be liable in any manner for any personal provinces.	ssion issued by the National Board of Boiler and Pressure Vessel Inspectors and the State and employed by HSBCT of The Inspected the components described by State that the Owner has performed examinations and taken corrective measures described in this quirements of the ASME Code, Section XI. Inspector nor his employer makes any warranty, expressed or implied, concerning the escribed in this Owner's Report. Furthermore, neither the Inspector nor his employer

1. Owner		eration Company. ame	пс	Date	Feb	ruary 29, 2012			
		Way. Kennett Squ dress	uare, PA 1934	Sheet _	of	2			
2. Plant		nerating Station ame		Unit		1			
	3146 Sanate Ad	oga Road, Pottstov dress		Work Repair Organiza	Order No. C0239737 tion P.O. No., Job No. 6	etc.			
3. Work Perform	ied by <u>Exelon Nu</u> N	clear ame	Type Co Authoriz	Type Code Symbol StampN/A					
		oga Road, Pottsto dress	Expiration	on Date	N/A				
4. Identification of	4. Identification of System: High Pressure Coolant Injection (System 055) Line No. EBB-129 Valve HV-055-1F006								
(b) Applicab (c) Applicab									
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)		
12" Gate Valve Wedge	Velan Valve	4957	N/A	* 114-33670 PO# LS- 606669	1996	Installed	Yes		
* Traceability pe	r Exelon stock code	number.	<u> </u>		<u> </u>				
7. Description of	work: Replaced 12	" HPCI gate valve	wedge.						
8. Tests conduct	ted: Hydrostatic (Nominal (Temp. <u>N/A</u>	Operating Pressure°F.	e □ Exempt				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) Information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

CERTIFICATE OF COMPLIANCE certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. ype Code Symbol Stamp NA Pertificate of Authorization No. NA Expiration Date Signed J. J. Kramer (site weld administrator) Date February 29. 2012 Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of **LEMPSLUAPIA** and employed by HSBCT have inspected the components described in this Owner's Report during the period 2/15/12 to 5/17/17, and state the to the best of my knowledge and bellef, 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 NS 13977 A.V.T. PA 30 2.0 National Board, State, Province, and Endorsements		Applicable Manufact	turer's Data Reports to	be attached	
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Sectificate of Authorization No					
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Sectificate of Authorization No					· · · · · · · · · · · · · · · · · · ·
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Sectificate of Authorization No				•	
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. type Code Symbol Stamp NA Sertificate of Authorization No. NA			······································		
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. type Code Symbol Stamp NA Sertificate of Authorization No. NA					
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Spe Code Symbol Starmp		•			
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. The code Symbol Stamp NA Expiration Date Symbol Stamp NA Expiration Date					
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. The code Symbol Stamp NA Expiration Date Symbol Stamp NA Expiration Date					·
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. type Code Symbol Starmp					
certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Inspector's Signature NA Expiration Date Inspector and the State of Authorization No. NA Expiration Date Inspector and Pressure Vessel Inspectors and the State or Province of Inspector and employed by HSBCT Inspector and Pressure Vessel Inspectors and the State or Province of Inspector and employed by HSBCT Inspector and employed by HSBCT Inspector and Pressure Vessel Inspectors and the State or Province of Inspector and Pressure Vessel Inspectors and the State or Province of Inspector and employed by HSBCT Inspector and employed by HSBCT Inspector and Pressure Vessel Inspectors and the State or Province of Inspector and employed by HSBCT Inspector and employed by HSBCT Inspector and employed by HSBCT Inspector and employer or Province and Employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Inspector's Signature National Board, State, Province, and Endorsements		CERTIFIC	CATE OF COMPLIANC	E	
ertificate of Authorization No				_	
certificate of Authorization No. NA Expiration Date J.H. Kramer (site weld administrator) Date February 29. 2012 Certificate OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Fenderal Andrea and employed by HSBCT OF Hartford, CT In this Owner's Report during the period 2/15/12 to 5/17/12 and state the 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 NB 13917 ANT PA 3020 Inspector's Signature Commissions NB 13917 ANT PA 3020 National Board, State, Province, and Endorsements	certify that the statements made in	the report are correct ar	nd that this conforms to	the requirements of the	e ASME Code, Section XI
CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat or Province of Hartford, CT have inspected the components described in this Owner's Report during the period 2/15/12 to 5/17/12 and state the 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 NB 13977 ANT PA 3020 Inspector's Signature Commissions NB 13977 ANT PA 3020 National Board, State, Province, and Endorsements	vpe Code Symbol Stamp	NA		· · · · · · · · · · · · · · · · · · ·	
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat or Province of LENSILVANIA and employed by HSBCT or Have inspected the components described in this Owner's Report during the period 2/15/12 to 5/17/17, and state the 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 NS 139/17 ANT PA 3020 National Board, State, Province, and Endorsements					
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat or Province of PENNSTUANIA and employed by HSBCT or Hartford, CT have inspected the components described in this Owner's Report during the period 2/15/12 to 5/17/17, and state the 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 N6 13977 ANT PA 3020 National Board, State, Province, and Endorsements	ertificate of Authorization No	NA		Ex	piration Date
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat or Province of PENNSTUANIA and employed by HSBCT or Hartford, CT have inspected the components described in this Owner's Report during the period 2/15/12 to 5/17/17, and state the 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 N6 13977 ANT PA 3020 National Board, State, Province, and Endorsements	igned Sand. W	J.H. K	(ramer (site weld admir	istrator) DateF	ebruary 29. , 20 <u>12</u>
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stat or Province of Provi	Owner or Owner's Design	ee, Title			
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the Stator Province of LENNSUANIA and employed by HSBCT of Have inspected the components described in this Owner's Report during the period 2/15/12 to 5/17/17, 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 NS 13977 ANT PA 3020 National Board, State, Province, and Endorsements					
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or Province of Hartford, CT have inspected the components described in this Owner's Report during the period 2/15/12 to 5/17/17, 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 N6 13977 AN I PA 3020 National Board, State, Province, and Endorsements	t the undersigned helding a vali	d commission issued by	the National Board of I	Soilor and Bressure Ve	real Inconstore and the St
Hartford, CT in this Owner's Report during the period TISIZ to 5/17/17 and state the 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 No 13977 ANT PA 3020 National Board, State, Province, and Endorsements	or Province of FENNSY WANTA	and employed b	v HSB	CT	
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 N6 13977 AN F PA 30 20 National Board, State, Province, and Endorsements		lartford, CT		have inspecte	
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 NS 13977 ANT PA 3020 Inspector's Signature National Board, State, Province, and Endorsements	in this Owner's Report during the	period	i Z to	5/(7/12	
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 N6 13977 ANT PA 30 20 Inspector's Signature National Board, State, Province, and Endorsements	Owner's Report in accordance wi	belier, the Owner has pe	enormed examinations a ASME Code Section	and taken corrective m	leasures described in this
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 N6 13977 ANT PA 30 20 Inspector's Signature National Board, State, Province, and Endorsements	By signing this certificate nei	ther the inspector nor his	s employer makes any	warranty, expressed or	implied, concerning the
shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions NB 13977 ANT PA 3020 Inspector's Signature National Board, State, Province, and Endorsements	examinations and corrective mea	sures described in this C	Owner's Report, Further	more, neither the Inspe	ector nor his employer
Inspection. Commissions NB 13977 A N T PA 30 20 Inspector's Signature National Board, State, Province, and Endorsements	shall be liable in any manner for a	any personal injury or pro	operty damage or a loss	s of any kind arising fro	m or connected with this
Inspector's Signature National Board, State, Province, and Endorsements		n na		,	~ · · · .
Inspector's Signature National Board, State, Province, and Endorsements	Day dill				
Inspector's Signature National Board, State, Province, and Endorsements	1111 11 14	' X V	410 17	בו ג במסק	01 707 0
441 17 17			ommissions_ <u>MO_13</u>	MIANT	PN 30 CO
Data MAY 17 2017	Inspecter's Signa	ture	Nationa	al Board, State, Province	e, and Endorsements
	Date MAY 17	20 <u>17</u> .			

							
1. Owner		eration Company.	щс	Date		July 29, 2011	
		Way, Kennett Squ dress	uare, PA 19348	Sheet _	of	2	_
2. Plant	Limerick Ge N	nerating Station ame		Unit	·	1	· · · · · · · · · · · · · · · · · · ·
		oga Road, Pottsto dress		Work Repair Organizat	Order No. C0238710 tion P.O. No., Job No.	 etc.	
3. Work Perform	ed by <u>Exelon Nu</u> N	clear ame	Type Co	Type Code Symbol StampN/AAuthorization NoN/A			
	3146 Sanate Ad	on Date	N/A				
4. Identification (of System: <u>High Pre</u>	ssure Coolant Inje	ection (System	n 055) Line No.	None, HPCI	turbine control valve F	V-056-111
(b) Applicab	ole Edition of Section ole Section XI Code	n XI Utilized for Re	pairs or Repla	<u>-code)</u> 19 N/A cements: 2001 ed	Edition, <u>N/A</u> ition with addenda	A_Addenda, N/A through 2003	_Code Case
o. Idonandaon	or 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)
(6) 1-3/4"-8 Ali Thread Studs	Dresser Rand	Part No. 58272	None	* 114-84703 PO# 045385	N/A	Installed	No
			·				
* Traceability pe	r Exelon stock code	number.	•	'	·		
7 Description of	under Denlaged (6)	\ ataam ahaat at	to on HDCI to	hina control wakes			
8. Tests conduct	work: Replaced (6' ted: Hydrostatic (Other [] N	<u> Pneumatic □</u> <u>I/A</u> PSI Test	Nominal (Operating Pressur	e □ Exempt ■	I	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Remarks : Refer to Exelon procurement evaluation A1813591-03 for stud material and stock code evaluation. Applicable Manufacturer's Data Reports to be attached
Refer to Exelon AR 1241421 for ASME XI Repair / Replacement administrative deviation.
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed
Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of PENNSYLVANIA and employed by HSBCT of
Hartford, CT have inspected the components described in this Owner's Report during the period $\omega/22/h$ to $11/15/h$ 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.
M L / U V
Commissions NB 13977 A, N, I PA 3020
Inspector's Signature National Board, State, Province, and Endorsements
Date 15 NOVEMBER 20 11.

			المبادرة والمجادرين	- 					
1. Owner	ner <u>Exelon Generation Company, LLC</u> Name				J	uly 15, 2011	 		
	200 Exelon V Add	Vav. Kennett Squar ress	Sheet1_	of	2				
Plant Limerick Generating Station Name				Unit	UnitCommon				
	3146 Sanatoo Add	a Road, Pottstown, ress	PA 19464	Repa	<u> Work Order N</u> air Organizatio	lo, R1169278 on P.O. No., Job No.	etc.		
3. Work Performed	by <u>Exelon Nucl</u> Na			Type Code Sy Authorization I	mbol Stamp No.	None Not applica	ole		
	3146 Sanato Add	ga Road, Pottstown	n. PA 19464	Expiration Dat	е	Not applicat	ble		
4. Identification of S	4. Identification of System Control Room Chilled Water (System 090) Line No. HBC-143 0B-K112 Condenser								
(b) Applicable (c) Applicable	(b) Applicable Edition of Section XI Utilized for Repairs / Replacement Activity 2001 edition with addenda through 2003								
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)		
0B-K112 Condenser Water Box / Channel	Carrier	700163	128544	N/A	1975	Corrected	Yes		
* Traceability per E	xelon stock code r	number.							
7. Description of w	ork: Repaired ma	in control room con	denser water t	xx by weld build-up.					
8. Tests conducted		Pneumatic 05 PSI Test Te		rating Pressure F.	Exempt				

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks None.
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
Lead to the state of the second in the second or a word and that this conferme to the second or the ACME Code Continue VI
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA
Type Code Symbol Stamp
Certificate of Authorization No. NA Expiration Date N/
Signed Jan J.H. Kramer, site weld administrator Date July 15, 2011
Owber or Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State
or Province of <u>Pennsylvania</u> and employed by <u>HSBCT</u> of
Hartford, CT have inspected the components described in this Owner's Report during the period 3/1/4 to 10/2/3/11 and state that
in this Owner's Report during the period
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.
M f
/// / X / Commissions NB-13977 A.N.Z PK 3020
Commissions NB 13977 A, NB 12970 PA 3010 Inspector's Signature National Board, State, Province, and Endorsements
Date Otto BER 28 2011

1. Owner		eration Company, LL ame	.C	Date	<u>Oc</u>	tober 21, 2010			
		Way, Kennett Square dress	e. PA 19348	Sheet1	of	2			
2. Plant		nerating Station		Unit	· · · · · · · · · · · · · · · · · · ·	1			
		ga Road. Pottstown I dress	Re	Work order pair Organizati	# C0223987 on P.O. No., Job No. e	rtc.			
3. Work Perform	med by <u>Exelon Nu</u> No	clear ame	Type Code S	Type Code Symbol StampN/A					
	Ade	oga Road, Pottstown dress				N/A			
4. Identification of System : Emergency Diesel Generator (System-092) Line No. 1AG-COOL 1A-P569									
(b) Applica	(b) Applicable Edition of Section XI Utilized for Repair / Replacement Activity: 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) None								
O. IOCHUROADO					,				
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)		
1A-P569 Diesel Generator Air Cooler Pump	Fairbanks Morse Engine	801633 Part No. 16602931REP	N/A	* 114-65141 PO# 022615	N/A	Installed	No		
				· · · · · · · · · · · · · · · · · · ·					
* Traceability pe	er Exelon part code n	umber.	<u> </u>		<u> </u>	<u> </u>	L 		
7. Description of	of Work : Replaced d	liesel generator engir	ne driven air	cooler water pump.					
8. Tests condu	cted: Hydrostatic (Pneumatic Pressure 16.5		rating Pressure m emp. <u>N/A</u> °F.	Exempt				
						/2 in. x 11 in., (2) infor			

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

recorded at the top of this form.

9. Remarks: None	
Applicable Manufacturer's Data Reports to be at	tached
·	
	
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in this report are correct and that this conforms to the	requirements of the ASME Code, Section XI.
Type Code Symbol StampNA	
Certificate of Authorization No. NA	Expiration DateNA
Signed J.H. Kramer, Site Weld Administrator	Date October 21, , 2010
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTI	ON!
I, the undersigned, holding a valid commission issued by the National Board of Boiler or Province of Pennsylvania and employed by HSBCT	and Pressure Vessel Inspectors and the State of
Hartford, CT	have inspected the components described
in this Owner's Report during the period	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 warran examinations and corrective measures described in this Owner's Report. Furthermore	ty, expressed or implied, concerning the
shall be liable in any manner for any personal injury or property damage or a loss of a	ny kind arising from or connected with this
inspection.	
Saudallus P Commissions	PA-2497 I,N & A, C
Inspector's Signature National Bo	ard, State, Province, and Endorsements
Date	
	•

ليسيش كالشراب المراشات							***************************************		
1. Owner		eration Company, LL	C	Date	Octo	ober 21, 2010			
		Way, Kennett Square dress	Sheet1	of	2				
2. Plant		nerating Station ame	Unit		1				
		ga Road, Pottstown dress	Re	Work ord pair Organizatio	er # R1166042 on P.O. No., Job No. e	nc.			
3. Work Perfor	med by <u>Exelon Nu</u> N	clear ame		Type Code S Authorization	Symbol Stamp 1 No.	N/A N/A			
		oga Road, Pottstown	PA 19464	Expiration Da	ate	N/A_			
4. Identification		dress ncy Service Water	(System-0	11.) Line No. H	BC-192	XJ-0	11-101A		
(b) Applica (c) Applica	(b) Applicable Edition of Section XI Utilized for Repair / Replacement Activity: 2001 edition with addenda through 2003								
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)		
XJ-011-101A	Colt Industries, Fairbanks Morse Engine	Part No. 12994129	N/A	* 114-78083 PO# 167610-907	N/A	Installed	No		
						· · · · · · · · · · · · · · · · · · ·			
				·					
* Traceability pe	er Exelon part code n	umber and manufact	urer's serial r	number.					
7. Description of	of Work : Replaced e	emergency diesel ger	nerator coolin	g water expansion io	ints.				
8. Tests condu	cted: Hydrostatic [Other	Pressure 110		erating Pressure memp. N/A °F.	Exempt				
NOTE: Sun	nlemental sheets in fr	orm of lists skatchas	or drawings	may be used provid	led (1) eize 8 1/	9 in v 11 in (2) info	ma.		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: None	
Applicable Manufacturer's Data Reports	to be attached
	·
	
	
CERTIFICATE OF COMPLIA	NCE
I certify that the statements made in this report are correct and that this conform	ns to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA	
Certificate of Authorization NoNA	
Signed J.H. Kramer, site Weld Admini Owner or Owner's Designee, Title	strator Date October 21. 2010
CERTIFICATE OF INSERVICE INS	BPECTION
I, the undersigned, holding a valid commission issued by the National Board	of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period 30 AUS 10	SBCTof
in this Owner's Report during the period 20 A/36 /O	to SAMPLE and state that
to the best of my knowledge and belief, the Owner has performed examination	ons and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Code, Sec	tion XI.
By signing this certificate neither the Inspector nor his employer makes any examinations and corrective measures described in this Owner's Report. Further	warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. Further shall be liable in any manner for any personal injury or property damage or a l	nermore, neither the inspector nor his employer oss of any kind arising from or connected with this
inspection.	oss of any kind ansing from or connected with this
6/16/	
Manual Commissions	PA-2497 I.N & A. C.
	onal Board, State, Province, and Endorsements
Date	

1. Owner	Exelon Genera Name	tion Company, LL	<u>c</u>	Date	 .	May 22, 2012	
	200 Exelon Wa	ay, Kennett Square ss	e, PA 19348	_ Sheet <u>1</u>	of	3	
2. Plant	Limerick Gener Nam			Unit	ONE		
	3146 Sanatoga Addre	Road, Pottstown,	PA 19464	Re	pair Orgar	A/R C0238616 nization P.O. No., J	ob No. etc.
3. Work Performed b	y <u>Exelon Nucle</u> Nam		Type Code S Authorization		amp <u>N/A</u>		
3146 Sanatoga Road, Pottstown, PA 19464 Expiration Date N/A Address							
4. Identification of Sy	stemSnubbers	Syste	em 103)	Line No.	N/A Sp	are snubbers	
5. (a) Applicable C (b) Applicable E (c) Applicable S	dition of Section X	I Utilized for Repa				Code (addenda through 2	
6. Identification of Co	omponents						
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)
PSA-10 Ball Screw Assembly	Basic-PSA	17343 PSA-10	N/A	*114-72952 PO# 044142	N/A	Installed	No
PSA-10 Bail Screw Assembly	Basic-PSA	12487 PSA-10	N/A	*114-72952 PO# 044142	N/A	Installed	No
PSA-10 Ball Screw Assembly	Basic-PSA	7999 PSA-10	N/A	*114-72962 PO#044142	N/A	Installed	No
							
* Traceability per Ex	elon stock code nu	ımber.				-	
7.Description work: _ 8. Tests conducted:	Replace mechanic		Nominal Ope	erating Pressure C	J Exem	pt X	:

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

1.	Owner	Exelon Generation Company, LLC Name	Date May 22, 2012
	· .	200 Exelon Way, Kennett Square, PA 19348 Address	Sheet <u>2</u> of <u>3</u>
2.	Plant	Limerick Generating Station Name	UnitONE
		3146 Sanatoga Road, Pottstown, PA 19464 Address	A/R C0238616 Repair Organization P.O. No., Job No. etc.
3.	Work Performed by	y <u>Exelon Nuclear</u> Name	Type Code Symbol StampN/A Authorization NoN/A_
		3146 Sanatoga Road, Pottstown, PA 19464 Address	Expiration DateN/A
	(a) Applicable Co	rstem Snubbers (System 103) construction Code ASME III 19 77 Edition, Winter 19 dition of Section XI Utilized for Repairs / Replacement A ection XI Code Case(s) N-508-3	

6	Identification	of Components	
υ.	TUETHICAUUT		

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)
PSA-10 Ball Screw Assembly	Basic-PSA	17433 PSA-10	N/A	*114-72952 PO# 038103 PO# 044142	N/A	Installed	No
PSA-3 Capstan Spring	Basic-PSA	317 <u>5</u> PSA-3	N/A	*114-71520 PO#316131	N/A	Installed	No
PSA-10 Thrust Bearing	Basic-PSA	5482 PSA-10	N/A	*114-05231 PO#046800	N/A	Installed	No
PSA-10 Thrust Bearing	Basic-PSA	17433 PSA-10	N/A	*114-05231 PO#046800	N/A	Installed	No
PSA-10 Thrust Bearing	Basic-PSA	12449 PSA-10	N/A	*114-05231 PO# 046800	N/A	Installed	No
PSA-10 Thrust Bearing	Basic-PSA	2679 PSA-10	N/A	*114-05231	N/A	Installed	No

" Traceability per Exe	elon stock code nu	mber.		
7.Description work: _1 8. Tests conducted:	Hydrostatic	Pneumatic 🗆	w snubbers Nominal Operating Pressure II Temp°F.	Exempt X

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of Sheets is recorded at the top of this form

FORM NIS-2 (BACK) 9. Remarks none Applicable Manufacturer's Data Reports to be attached CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI. Type Code Symbol Stamp_ Certificate of Authorization No. N/A Signed___Pedro Robayo Snubbers coordinator_ Owner or Owner's Designee, Title CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State RENNSYLVANIK **Province** employed by and or of described in this Owner's Report during the period 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 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. NB 13977 AN, I PA 3020 Commissions National Board, State, Province, and **Endorsements** JUNE 8 ____2017_

									
1. Owner	er Exelon Generation Company, LLC			Date	Date May 2, 2012				
		Name							
•									
		n Way, Kennett Squ ddress	are, PA 19348	Sheet1	of	2			
							•		
2. Plant		enerating Station Name		Unit	UnitONE				
	•								
		<u>toga Road, Pottstow</u> ddress	n, PA 19464	_		Work Order	C0238616		
O Maria Darian	mad by System Ni			Re	pair Organ	nization P.O. No., J	ob No. etc.		
o. Work Periori	Work Performed by Exelon Nuclear Name					N/A			
	3146 Sanatoga Road, Pottstown, PA 19464				ate	_N/A			
		ddress	WILL IN 15-10-1	Expiration B					
4. Identification	of Systemsnut	bers	(System 103)	Line No.	N/A				
					A alak	anda N/A	Cada Casa		
5. (a) Applica (b) Applica	ble Construction Co ble Edition of Section	on XI Utilized for Rep	19//bairs / Replacer	dition, Winter 1977 ment Activity 20 <u>01 ec</u>	lition with	addenda through 2	Code Case		
(c) Applica	ble Section XI Code	Case(s) <u>N-508-</u>	3						
6. Identification	of Components								
			<u> </u>	f	T		1 .00 .		
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)		
		17518	N/A	*114-05231	N/A	Installed	No		
Thrust Bearing	Basic-PSA	PSA-10		PO# 046800			1.0		
				*114-72521					
Thrust Bearing	Basic-PSA	17257	N/A	PO# 038103	N/A	Installed	No No		
Ī		PSA-3	<u> </u>	PO# 046769					
	Basic-PSA	17265	N/A	*114-72521	N/A	Installed	No		
Thrust Bearing		PSA-3		PO# 038103		: :	,		
	· · · · · · · · · · · · · · · · · · ·			PO# 046769					
					-	·			
				<u> </u>			ļ		
* Traceability pe	er Exelon stock code	e number.	<u> </u>	<u> </u>		· · · · · · · · · · · · · · · · · · ·	 		
• •	ork: _Replace mech		new snubbers _				***************************************		
8. Tests conduc	cted: Hydrostatic	☐ Pneumatic ☐	1 Nominal (Operating Pressure (J Exem	not X			
TOUR OUTUR	Other 🗆		est Temp.	°F.					

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

			Work Order C0238616	
			Sheet 2 of 2	
ORM NIS-2 (BACK)				
. Remarks <u>Manufacturers data rer</u>	orts are traceable by work order	package.		
100110001100011000110001100011000110001100011000110000	Applicable Manufacturer's	Data Reports to be attach	ned	
				·
			. `	
			·	
	CERTIFICATE (OF COMPLIANCE		
Type Code Symbol Stamp Certificate of Authorization No. SignedPedro Robayo Snubbe Owner or Owner's Design	N/A Pars coordinator Parks	Nolays		Expiration Date
	CERTIFICATE OF IN	SERVICE INSPECTION	<u>·</u>	
I, the undersigned, holding a va	lid commission issued by the Na	ational Board of Boiler and	Pressure Vessel Inspecto	ors and the State
or Province of PENNALIANIA and	employed by	HARTOPH STERM	BO: LER OF CONNEUT	iwi of
in this Owner's Report during th	e period 2/20/12	to 6	18/12	_, and state that
to the best of my knowledge an Owner's Report in accordance v	d belief, the Owner has performed the ASM	ed examinations and take	n corrective measures des	scribed in this
By signing this certificate ne	either the inspector nor his emplo	oyer makes any warranty,	expressed or implied, con	ceming the
examinations and corrective me shall be liable in any manner for	asures described in this Owner's	i Report. Furthermore, ne	ither the Inspector nor his connecting arising from or connecting	employer
inspection.		railage of a loop of all, it	and anothing from or occurred.	tod Williams
Mitt IX	Commis:	sions NB 13977	A, N, T. PA 302 State, Province, and Endo	20
Inspector's Sign	_	National Board,	State, Province, and Endo	rsements
Date JUNE 8	2017			

 							•	
1. Owner	Exelon Generation Company, LLC Name			Date	Ma	rch 27, 2012		
	200 Exelon \ Add	<u> Way, Kennett Square</u> ress	e, PA 19348		of	2	·	
2. Plant	Limerick Generating Station Name			Unit		1		
	3146 Sanato Addi	ga Road, Pottstown, ress	PA 19464			3/ A1776181/A1776		
3. Work Performed	Work Performed by Exelon Nuclear Name			Type Code Sy	Repair Organization P.O. No., Job No. etc. Type Code Symbol Stamp N/A Authorization No. N/A			
·		ga Road, Pottstown, ress	PA 19464	Expiration Dat	θ	N/A		
4. Identification of S	ystern <u>Snubbe</u>	rs (System	103)	Line No. DBD-	105 / JCD-1	11-E48/ JBD-361		
(b) Applicable E	dition of Section	ASME III 19 XI Utilized for Repair ase(s) N-508-3	s or Replace	, Winter 19 ments 20 <u>01 edition wi</u>	77Adder th addenda t	nda, N/A hrough 2003	_Code Case	
6. Identification of C	omponents							
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped	
DBD-105-H004	PSA	45199 PSA-35	N/A	*114-72849 PO# 048805	N/A	Installed	NO	
DBD-105-H004	PSA	8936 PSA-35	N/A	N/A	N/A	Removed	N/A	
JCD-111-E48-H003	LISEGA	31000496/028 301856RF1	N/A	* 114-59113 PO # 275207-12	N/A	Installed	NO	
JCD-111-E48-H003	LISEGA	99614390/71 301856RF1	N/A	N/A	N/A	Removed	N/A	
JBD-361-H017	PSA	45244 PSA-10	N/A	*114-72887 PO# 046771	N/A	Installed	NO	
JBD-361-H017	PSA	12444 PSA-10	N/A	N/A	N/A	Removed	N/A	
* Traceability per Ex	elon stock code r							
7. Description of Wo	ork: Replaced me	chanic and hydraul	ic shock arre	ester with new snubb	ers.			

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ■
Other ____ Pressure ___N/A__psi Test Temp. ___N/A__°F.

8. Tests conducted:

9. Remarks : none	
Applicable Manufacturer's Data Reports to be attached	
CERTIFICATE OF COMPLIANCE	
I certify that the statements made in the report are correct and that this conforms to the requirements of	the ASME Code, Section XI
Type Code Symbol Stamp NA	
Certificate of Puthorization No. NA Expiration	on DateN
Signed / / / / P. Robayo snubbers coordinator Date March, 27	, 2012
Owner or Owner's Designee, Title	
CERTIFICATE OF INSERVICE INSPECTION	
	-1 1
I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessor Province of Pennsylvania and employed by HSBCT	of
Hartford, CT have inspected the	ne components described , and state that
to the best of my knowledge and belief, the Owner has performed examinations and taken corrective mea Owner's Report in accordance with the requirements of the ASME Code, Section XI	sures described in this
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or in	nplied, concerning the
examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspect shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from	or nor his employer or connected with this
inspection.	or connected with the
MITIPO	44 252 0
Commissions <u>N/3 / 3977 A, N, T</u> Inspector's Signature National Board, State, Province,	and Endorsements
1 MIE 5 and 12	are madisorround
Date 107-6 5 2016	

1. Owner	Exelon Generation Company, LLC Name			Date	Marc	h 27, 2012			
	200 Exelon Way, Kennett Square, PA 19348 Address			Sheet 1	of	2	-,		
2. Plant	nt Limerick Generating Station Name 3146 Sanatoga Road, Pottstown, PA 19464 Address			Unit	Unit1				
				Action Request A1776176 Repair Organization P.O. No., Job No. etc.					
Work Performed by Exelon Nuclear Name			Type Code Symbol Stamp N/A Authorization No. N/A						
	3146 Sanato Addr	ga Road, Pottstown	. PA 19464						
4. Identification of S	ystem <u>Snubbe</u>	rs (System	103)	Line No. XRE	-1XH And JB[D-361			
(b) Applicable E	Edition of Section 3	KI Utilized for Repair	rs or Replace	, Winter 19 ments 20 <u>01 edition w</u>			Code Case		
(c) Applicable S	Section XI Code C	ase(s) <u>14-506-3</u>	-						
(c) Applicable s		ase(s) <u>N-506-3</u>							
		Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped		
3. Identification of C	omponents Name of	Manufacturer	National Board	Identification * 114-72867		Removed or	Code		
Name of Component	Name of Manufacturer	Manufacturer Serial No. 43011 PSA-3	National Board No.	Identification	Built	Removed or Installed	Code Stamped		
Name of Component XRE-1XH-H029	Name of Manufacturer PSA	Manufacturer Serial No. 43011 PSA-3	National Board No. N/A	* 114-72867 PO # 024015	Built N/A	Installed Removed Installed	Code Stamped NO		
Name of Component XRE-1XH-H029 XRE-1XH-H029	Name of Manufacturer PSA	Manufacturer Serial No. 43011 PSA-3 17060 PSA 3 44330	National Board No. N/A	* 114-72867 PO # 024015 N/A *114-72867	Built N/A N/A	Removed or Installed Installed Removed	Code Stamped NO N/A		
Name of Component XRE-1XH-H029 XRE-1XH-H017	Name of Manufacturer PSA PSA PSA	Manufacturer Serial No. 43011 PSA-3 17060 PSA 3 44330 PSA-3	National Board No. N/A N/A	* 114-72867 PO # 024015 N/A *114-72867 PO # 046770	Built N/A N/A N/A	Removed or Installed Installed Removed Installed	NO N/A NO		

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

8. Tests conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt Pressure NA psi Test Temp. NA °F.

9. Remarks : none
Applicable Manufacturer's Data Reports to be attached
CERTIFICATE OF COMPLIANCE
I certify that the statements made in the report are correct and that this conforms to the requirements of the ASME Code, Section XI
Type Code Symbol StampNA
Certificate of Authorization No. NA Expiration Date NA
Signed P. Robayo Snubbers coordinator Date March 27 2012 Owner's Designee, Title
CERTIFICATE OF INSERVICE INSPECTION
• · · · · · · · · · · · · · · · · · · ·
I, the undersigned, holding a valid commission issued by the National Board of Boller and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by HSBCT of
Hartford, CT have inspected the components described in this Owner's Report during the period 2/20/12 to 6/5/12 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.
MATTON
Commissions NB 13977 A, N I PA 30 20 Inspector's Signature National Board, State, Province, and Endorsements
Date JUNE 5 2012

1.	Owner	neration Company, LL Ime	Date	DateApril 11, 2012				
			Way, Kennett Square	p. PA 19348	Sheet1_	of	2	
2.	Plant		enerating Station me		Unit		1	
			oga Road, Pottstown, Iress	PA 19464			3/ A1776182 ion P.O. No., Job No.	etc.
3.	Work Performed by		lear me	·	Type Code S Authorization	Type Code Symbol Stamp Authorization No		
	··-		oga Road, Pottstown, Iress	PA 19464	Expiration Da	te	N/A	
4.	Identification of Syst	em <u>Snubb</u>	ers (System	103)	Line No.XRE	1XHVDCA-3	10	
5.	5. (a) Applicable Construction Code ASME III 19 77 Edition, Winter 1977 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N-508-3							
6.	Identification of Com	ponents						
							Corrected.	ASME

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped
XRE-1XH-H001	PSA	42269 PSA-3	N/A	114-72867 PO# 025228	N/A	Installed	NO
XRE-1XH-H001	PSA	17139 PSA-3	N/A	N/A	N/A	Removed	NO
DCA-310-E01- H008	LISEGA	30600271/94 301856RF2	N/A	*114-59113 PO#275207	N/A	Installed	NO
DCA-310-E01- H008	LISEGA	99614390/85 301856RF2	N/A	N/A	N/A	Removed	NO
XRE-1XH-H020	PSA-3	44331 PSA-3	N/A	*114-72867 PO#046770	N/A	Installed	NO
XRE-1XH-H020	PSA-3	3871 PSA-3	N/A	N/A	N/A	Removed	NO

*	Traceability	per	Exelon	stock	code	number

y por	
7. Description of World	c Replaced mechanic shock arrester with a new snubbers.
8. Tests conducted:	Hydrostatic Pneumatic Nominal Operating Pressure Exempt Cother Pressure N/A psi Test Temp. N/A °F.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks: none	<u> </u>
Applicable Manufacturer's Data Reports to be attached	ed .
	·····
	
	.:
Type Code Symbol Stamp NA Certificate of Authorization No. NA Signed P. Robavo snubbers coordinator Date Owner or Owner's Designee, Title	Expiration Date NA
CERTIFICATE OF INSERVICE INSPECTION	
	of ave inspected the components described a 18112 and state that
By signing this certificate neither the Inspector nor his employer makes any warranty, examinations and corrective measures described in this Owner's Report. Furthermore, neit shall be liable in any manner for any personal injury or property damage or a loss of any kir inspection.	her the Inspector nor his employer
Inspector's Signature Commissions NB 13977 National Board, S	A,N,I PA 3020 State, Province, and Endorsements

Name 200 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 2	1. Owner	Date	Ma	rch 27, 2012				
Name		200 Exelon \	Way, Kennett Square	Sheet1_	of	2		
Address Repair Organization P.O. No., Job No. etc.	2. Plant				Unit			
Name				PA 19464	Repa			etc.
Address 4. Identification of System Snubbers (System 103) Line No. HBD-186/ HBC-101 and DBA-106 5. (a) Applicable Construction Code ASME III 19:77 Edition, Wirtter 1977 Addrenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N-508-3 6. Identification of Components Name of Component Manufacturer Serial No. Board No. Other Built Removed or Installed Stamped HBD-186-H061 LISEGA 30900222/004 N/A "114-59113 N/A Installed NO 301856RF1 PO# 275207-12 HBD-188-H061 LISEGA 99614480/78 N/A N/A N/A N/A Removed N/A 301856RF1 PO# 275207-12 HBC-101-H024 LISEGA 30900222/12 N/A "114-59113 N/A Installed NO 1866RF1 PO# 275207-12 HBC-101-H024 LISEGA 99614750/69 N/A N/A N/A N/A Removed N/A 301856RF1 DBA-106-E01- LISEGA 30900222/008 N/A N/A N/A N/A Removed N/A Installed NO 181856RF1 DBA-106-E01- LISEGA 99614750/78 N/A N/A N/A Removed N/A 1904 275207-12 DBA-106-E01- LISEGA 99614750/78 N/A N/A N/A N/A Removed N/A 301856RF1 DBA-106-E01- LISEGA 99614750/78 N/A N/A N/A N/A Removed N/A 301856RF1 Traceability per Exelon stock code number	3. Work Performed				Type Code Sy Authorization	mbol Stamp No.	N/A N/A	
5. (a) Applicable Construction Code ASME III 19.77 Edition, Winter 1977 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N-508-3 6. Identification of Components Name of Component				PA 19464	Expiration Dat	e	N/A	
Name of Component Name of Manufacturer Manufacturer Serial No. National Board No. Other Identification Year Built Removed or Installed Code Stamped HBD-186-H061 LISEGA 30900222/004 301856RF1 N/A *114-59113 N/A N/A Installed NO HBD-186-H061 LISEGA 99614480/78 301856RF1 N/A N/A N/A N/A Removed N/A HBC-101-H024 LISEGA 30900222/12 N/A *114-59113 N/A N/A Installed NO HBC-101-H024 LISEGA 99614750/69 N/A N/A N/A N/A Removed N/A DBA-106-E01- H003 LISEGA 30900222/008 301856RF1 N/A *114-59113 N/A Installed NO DBA-106-E01- H003 LISEGA 99614750/78 N/A N/A N/A N/A N/A Removed N/A * Traceability per Exelon stock code number N/A N/A N/A N/A N/A N/A	5. (a) Applicable Construction Code ASME III 19.77 Edition, Winter 1977 Addenda, N/A Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) N-508-3							
HBD-186-H061				Board			Removed or	Code
HBC-101-H024	HBD-186-H061	LISEGA		N/A		N/A	Installed	NO
301856RF1 PO# 275207-12	HBD-186-H061	LISEGA		N/A	N/A	N/A	Removed	N/A
301856RF1 DBA-106-E01- H003 DB	HBC-101-H024	LISEGA		N/A		N/A	Installed	NO
H003 301856RF1 PO# 275207-12 DBA-106-E01- LISEGA 99614750/78 N/A N/A N/A Removed N/A H003 301856RF1 * Traceability per Exelon stock code number	HBC-101-H024	LISEGA		N/A	N/A	N/A	Removed	N/A
* Traceability per Exelon stock code number		LISEGA		N/A		N/A	Installed	NO
	H003		301856RF1	N/A	N/A	N/A	Removed	N/A
7. Description of Work: Replaced hydraulic shock arrester with a new snubbers.	* Traceability per Exelon stock code number							
8. Tests conducted: Hydrostatic D Pneumatic D Nominal Operating Pressure D Exempt								

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks : none	
Applicable Manufacturer's Data Re	ports to be attached
	·
•	
CERTIFICATE OF COM	
I certify that the statements made in the report are correct and that this c	
Type Code Symbol Stamp NA	
Certificate of Authorization No. NA	Expiration DateNA
Signed P. Robayo snubbers coord	dinator Date March, 27 , 2012
Owner or Owner's Designee, Title	man out may a pro-
CERTIFICATE OF INSERVICE	EINSPECTION
1, the undersigned, holding a valid commission issued by the National Bo	pard of Boiler and Pressure Vessel Inspectors and the State
or Province of Pennsylvania and employed by Hartford, CT in this Owner's Report during the period 2/20/12	have inspected the components described
in this Owner's Report during the period 2/20/17 to the best of my knowledge and belief, the Owner has performed exami	to 6/5/17 and state that
Owner's Report in accordance with the requirements of the ASME Code	, Section XI
By signing this certificate neither the Inspector nor his employer mal examinations and corrective measures described in this Owner's Report.	kes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Report. 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.	, ,
MIHADO DO	7
Commissions	NB 13977 A, N, T PA 3020 National Board, State, Province, and Endorsements
Inspector's Signature	ivational board, State, Province, and Endorsements
Date -13NE 5 ,2017	

									
1. Owner	Exelon Generation Company, LLC Name			Date	Date <u>March 27, 2012</u>				
	200 Exelon \ Addı	Vav. Kennett Square	. PA 19348	Sheet1_	_ of	2			
2. Plant	Limerick Ge Nar	nerating Station ne		Unit		_1			
<u></u>	3146 Sanato Addi	ga Road, Pottstown, ress	PA 19464	Repa		quest A1776181 on P.O. No., Job No.	etc.		
3. Work Performed I	by <u>Exelon Nucl</u> Na			Type Code Sy Authorization	Type Code Symbol StampN/AN/AN/A				
	3146 Sanato Add	ga Road, Pottstown, ress	PA 19464	Expiration Date	e	N/A	 		
4. Identification of S	ystem <u>Snubbe</u>	rs (System	103)	Line No. DCA	Line No. DCA-318 and DCA-105-E01				
(b) Applicable E	Edition of Section Section XI Code C			, Winter 19 ments 20 <u>01 edition wi</u>			_Code Case		
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped		
DCA-318-H003	LISEGA	30500211/092 307256RF3	N/A	* 114-00462 PO# 275207-06	N/A	Installed	NO		
DCA-318-H003	LISEGA	30500211/047 307256RF3	N/A	N/A	N/A	Removed	N/A		
DCA-105-E01- H002	LISEGA	31000496/022 301856RF1	N/A	*114-59113 PO# 275207-12	N/A	installed	NO		
DCA-105-E01- H002	LISEGA	99614390/89 301856RF1	N/A	N/A	N/A	Removed	N/A		
						·			

* Traceability per Exelon stock code number

7.	Description of Work:	Replaced hy	draulic shock	arrester v	<u>rith a new snubber</u>	s	
8.	Tests conducted:	_ ·			nal Operating Pres		: =

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E00030) may be obtained from the ASME Order Dept., 22 Law Drive, Box 2300, Fairfield, N.J. 07007-2300

Remarks : none	
Applicable Manufacturer's Data Report	s to be attached
·	·
	• •
CERTIFICATE OF COMPLI	
certify that the statements made in the report are correct and that this conf	forms to the requirements of the ASME Code, Section
Type Code Symbol Stamp NA	····
Certificate (2) Authorization No. NA	Evainties Date
Setulicate of Address and TVO.	Expiration Date
Signed P. Robayo snubbers coordina Owner's Designee, Title	ator Date <u>March, 27</u> , 2012
Owner's Designee, Title	
CERTIFICATE OF INSERVICE IN	ISPECTION
I, the undersigned, holding a valid commission issued by the National Board	d of Boiler and Pressure Vessel Inspectors and the Stat
or Province of Pennsylvania and employed by	
Hartford, CT	have inspected the components described
in this Owner's Report during the period	to 6/5/16 and state that ions and taken corrective measures described in this
to the best of my knowledge and belief, the Owner has performed examination	ection XI
Owner's Report in accordance with the requirements of the ASME Code. Se	
Owner's Report in accordance with the requirements of the ASME Code, Se By signing this certificate neither the Inspector nor his employer makes	any warranty, expressed or implied, concerning the
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur	rthermore, neither the Inspector nor his employer
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur shall be liable in any manner for any personal injury or property damage or a	rthermore, neither the Inspector nor his employer
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur	rthermore, neither the Inspector nor his employer
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur shall be liable in any manner for any personal injury or property damage or a inspection.	rthermore, neither the Inspector nor his employer a loss of any kind arising from or connected with this
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur shall be liable in any manner for any personal injury or property damage or a inspection.	rthermore, neither the Inspector nor his employer a loss of any kind arising from or connected with this
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur shall be liable in any manner for any personal injury or property damage or a inspection.	rthermore, neither the Inspector nor his employer
By signing this certificate neither the Inspector nor his employer makes examinations and corrective measures described in this Owner's Report. Fur shall be liable in any manner for any personal injury or property damage or a inspection.	rthermore, neither the Inspector nor his employer a loss of any kind arising from or connected with this

							
1. Owner	Exelon Generation Company, LLC Name			Date	Ma	rch 27, 2012	
	200 Exelon V	Way. Kennett Square	a. PA 19348	Sheet 1	of	2	
	Add						
2. Plant		nerating Station		Unit		1	
	Na	me					
		ga Road, Pottstown	PA 19464	Action Reque		2 / A1776181 on P.O. No., Job No.	ote.
	Add				_		
3. Work Performed I	by <u>Exelon Nucl</u> Na			Type Code Sy Authorization	mbol Stamp No.	N/A N/A	
	2146 Canata	ga Road, Pottstown	DA 10464				
	Add		LV 19404	Ефігацоп Da	<u> </u>	, WA	
4. Identification of S	ystemSnubbe	rs (System	103)	Line No. DCA	-151-J01/ DC	A-308 -J01	
5. (a) Applicable C	Construction Code	ASME III 19	77_Edition	, Winter 1	Adden	da, N/A	_Code Case
		XI Utilized for Hepall ase(s) <u>N-508-3</u>	's or Heplacei 	ments 20 <u>01 edition w</u>	nn addenda ti	nrough 2003	
6. Identificati	on of Component	•					
O. Identification	on or component				·		
	M	Manufacture	Alettenet	04	Voor	Corrected,	ASME
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board	Other Identification	Year Built	Removed or Installed	Code Stamped
			No.				ļ
DCA-151-J01-H007	LISEGA	31000496/027	N/A	*114-59113	N/A	Installed	NO
		301856RF1		PO# 275207-12			
DCA-151-J01-H007	LISEGA	99614750/58	N/A	N/A	N/A	Removed	N/A
		301856RF1			·		
DCA-308-J01-H004	LISEGA	30900222/011	N/A	*114-59113	N/A	Installed	NO
		301856RF1		PO# 275207-12			
DCA-308-J01-H004	LISEGA	99614390/93	N/A	N/A	N/A	Removed	N/A
		301856RF1					
							}
·				<u> </u>			1
* Traceability per Ex	elon stock code r	umber					
7. Description of Wo	rk: Replaced hyd	fraulic shock arreste	r snubbers wi	ith a new snubbers.			
8. Tests conducted:	Hydrostatic	Pneumatic □ N	ominal Opera	uting Pressure 🗆 🗗	empt 🔳		
	Other Pressure <u>N/A</u> psi Test Temp N/A_ °F.						

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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9. Remarks: none	
Applicable Manufacturer's Data R	eports to be attached
	••
·	
	·
<u></u>	
CERTIFICATE OF COI	
I certify that the statements made in the report are correct and that this	conforms to the requirements of the ASME Code, Section XI.
Type Code Symbol Stamp NA	
Type code cymbol stamp	
Certificate of Ruthorization No. NA	Expiration Date NA
	· · · · · · · · · · · · · · · · · · ·
Signed P. Robayo Snubbers coo	rdinator Date March 27 , 2012
Owner or Owner's Designee, Title	
·	
	•
CERTIFICATE OF INSERVICE	CE INSPECTION
I, the undersigned, holding a valid commission issued by the National E	Poort of Police and Pressure Vessel Increators and the State
or Province of <u>Pennsylvania</u> and employed by	
Hartford, CT	HSBCTofofofofoneofofofof
in this Owner's Report during the period 2/20/12	to 6/5//7 and state that
to the best of my knowledge and belief, the Owner has performed exam	ninations and taken corrective measures described in this
Owner's Report in accordance with the requirements of the ASME Cod	e, Section XI
By signing this certificate neither the Inspector nor his employer ma	akes any warranty, expressed or implied, concerning the
examinations and corrective measures described in this Owner's Repor	
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.	
MI AND ON	
Mall Call and	AIR 17077 AA! T 04 3020
Inspector's Signature Commissions	NB 13977 A.N. I PA 3CCC National Board, State, Province, and Endorsements
inspector's orginature	National Board, State, Province, and Endorsements
Date JUNE 5 2012	
	

			As Hequired by the	Provisions o	TINE ASME CODE SE	CUON XI		
1.	Owner	ner <u>Exelon Generation Company, LLC</u> Name				Ma	arch 27, 2012	· · · · · · · · · · · · · · · · · · ·
		200 Exelon \ Add	Way, Kennett Square	. PA 19348	Sheet1_	_ of	2	
2.	Plant	Limerick Ge Na	nerating Station me		Unit			
		3146 Sanato Addi	ga Road, Pottstown, ress	PA 19464			V A1776181 ion P.O. No., Job No. (
3.	Work Performed I	by <u>Exelon Nucl</u> Na		 	Type Code Sy Authorization	Type Code Symbol Stamp N/A Authorization No. N/A		
		3146 Sanato Add	oga Road, Pottstown, ress	PA 19464	Expiration Dat	e	N/A	
4.	Identification of S	ystem <u>Snubbe</u>	ers (System	103)	Line No, EBB-	109 /SBD-14	43-E01	
5.	5. (a) Applicable Construction Code <u>ASME III</u> 19.77 Edition, <u>Winter 1977</u> Addenda, <u>N/A</u> Code Case (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 2001 edition with addenda through 2003 (c) Applicable Section XI Code Case(s) <u>N-508-3</u>							
6.	Identification of C	omponents						
	Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped
	EBB-109-H016	PSA	45033 PSA-3	N/A	*114-72867	N/A	Installed	NO

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped
EBB-109-H016	PSA	45033 PSA-3	N/A	*114-72867 PO# 046770	N/A	Installed	NO
EBB-109-H016	PSA	20 99 4 PSA-3	N/A	N/A	N/A	Removed	N/A
SBD-143-E01- H003	LISEGA	30900222/010 301856RF1	N/A	*114-59113 PO# 275207-12	N/A	Installed	NO
SBD-143-E01- H003	LISEGA	99614480/38 301856RF1	N/A	N/A	N/A	Removed	N/A
						. *.	

7.	Description of Work	: Replaced me	echanic shock arre	ster with a new snubber	<u></u>	
8.	Tests conducted:			Nominal Operating Press	sure Exempt	

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) Information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

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9. Remarks <u>:</u>			···				
		Applicable Manufacturer's	s Data Reports to t	e attached			
			······				—
					·		
			· · · · · · · · · · · · · · · · · · ·	·			
		CERTIFICATE	OF COMPLIANCE	E			
I certify tha	at the statements made in the	ne report are correct and	that this conforms	to the require	ements of the ASME	Code, Section	ı XI.
Type Code	Symbol Stamp	NA					
Certificate	of Authorization No	NA NA			_ Expiration Date		NA
Signed	1 Molay	P. Robayo snub	bers coordinator	_ Date _ Marc	h, 27	. 2012	
	Owner of Owner	ers Designee, Tide					
		CERTIFICATE OF IN	ISERVICE INSPE	СТІОМ			
	ndersigned, holding a valid co nce of Pennsylvania						
		ord, CT		have in	spected the compor	ents described	
to the be	est of my knowledge and beli	ief, the Owner has perform	ned examinations a	and taken com	2 ective measures des	_, and state that cribed in this	τ
	Report in accordance with the signing this certificate neither				essed or implied, cor	nceming the	
	itions and corrective measure liable in any manner for any p						
inspection		01					
	HILL		ssions NI3 13	2977 A.	17 0A 3	020	
100	Inspector's Signature	Commis	ssions ///> Nationa	Board, State,	Province, and Endo		
Date	JUNE 5	2012					

1.	Owne		eneration Company, LL lame	.C	Date		farch 27, 2012		
			n Way, Kennett Square Idress	PA 19348	_ Sheet	of	22		
2.	Plant		Generating Station		Unit		1		
			atoga Road, Pottstown, idress	PA 19464			equest A1776351 ition P.O. No., Job N		
3.	Work	Performed by <u>Exelon Nu</u>	uclear Name				P N/A	·	
			atoga Road, Pottstown. Idress	PA 19464	Expiration D)ate	N/A		
4.	ldent	fication of System Snub	bers (System	103)	Line No. ST	G-1MS			
5.	(b)								
6.	Ident	fication of Components							
						<u> </u>	Corrected,	ASME	

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped
STG-1MS-H005	PSA	45213 PSA-35	N/A	*114-72849 PO# 048805	N/A	Installed	NO
STG-1MS-H005	PSA	7790 PSA-35	N/A	N/A	N/A	Removed	N/A
STG-1MS-H004	PSA	44800 PSA-100	N/A	*114-72868 PO# 040061	N/A	Installed	NO
STG-1MS-H004	PSA	43073 PSA-100	N/A	N/A	N/A	Removed	N/A
STG-1MS-H007	PSA	44798 PSA-100	N/A	*114-72868 PO # 040061	N/A	Installed	NO
STG-1MS-H007	PSA	43074 PSA-100	N/A	N/A	N/A	Removed	N/A

 i raceability pe 	r Exelon Stock code number
--------------------------------------	----------------------------

7.	Description of Work	: Replaced me	chanic shock arrester with a new snubbers.
8.	Tests conducted:	•	Pneumatic □ Nominal Operating Pressure □ Exempt ■ Pressure <u>N/A</u> psi Test Temp. <u>N/A</u> °F.

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

9. Remarks : none Applicable Manufacturer's Data Reports to b	be attached
CERTIFICATE OF COMPLIANCE I certify that the statements made in the report are correct and that this conforms Type Code Symbol Stamp NA	s to the requirements of the ASME Code, Section XI
Certificate Authorization No. NA	
Signed P. Robayo snubbers coordinator Owner's Designee, Title	Date, 2012, 2012
CERTIFICATE OF INSERVICE INSPE	
I, the undersigned, holding a valid commission issued by the National Board of B or Province of Pennsylvania and employed by H	SBCT of
in this Owner's Report during the period 2/20/17 to	have inspected the components described
in this Owner's Report during the period 2/2017 to to the best of my knowledge and belief, the Owner has performed examinations of Owner's Report in accordance with the requirements of the ASME Code, Section By signing this certificate neither the Inspector nor his employer makes any examinations and corrective measures described in this Owner's Report. Further shall be liable in any manner for any personal injury or property damage or a loss inspection.	and taken corrective measures described in this n XI warranty, expressed or implied, concerning the more, neither the Inspector nor his employer
Commissions NB	3977 A N.I PA 3020
	al Board, State, Province, and Endorsements
Date JUNE 5 20 12	

1. Owner	Date	Date March 27, 2012							
Name			-						
	200 Exelon V Addre	/av. Kennett Square ess	e. PA 19348	_ Sheet <u>1</u>	of	_2			
2. Plant		erating Station		Unit		1			
	Nan	ne							
	3146 Sanator Addr	ga Road, Pottstown. ess	PA 19464	Action Reque		n P.O. No., Job No.	etc.		
3. Work Performed I				Type Code Sy		N/A			
	Nan	ne		Authorization 1					
	3146 Sanaton Addr	<u>ga Road, Pottstown</u> ess	PA 19464	Expiration Dat	θ	N/A			
4. Identification of S	ystem <u>Snubber</u>	s (System	103)	Line No. DCA	-104 /GBB-11	8			
(b) Applicable E (c) Applicable S									
6. Identification of C	omponents								
Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed or Installed	ASME Code Stamped		
DCA-104-H022	PSA	45206 PSA-35	N/A	*114-72849 PO 048805	N/A	installed	NO		
DCA-104-H022	PSA	6645 PSA-35	N/A	N/A	N/A	Removed	N/A		
· .				· · · · · · · · · · · · · · · · · · ·					
									
* Traceability per Ex	relon stock code a	umber	<u> </u>		<u> </u>	<u></u>			
7. Description of Wo			ter with a new	snubbers.					
8. Tests conducted:									
	NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size 8 1/2 in. x 11 in., (2) information in items 1 through 6 on this report is included on each sheet, and (3) each sheet is numbered and the number of sheets is								

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recorded at the top of this form.

9. Remarks : none			
Applicat	ole Manufacturer's Data Reports to I	be attached	
		<u> </u>	
	. <u></u> .		
	OFFICIAL OF COMPLIANCE		
I certify that the statements made in the report	are correct and that this conforms	-	ME Code, Section XI.
•			
Type Code Symbol Stamp NA			
Certificate of Authoritation No	<u>NA</u>	Expiration Date	NA
Signed	P. Robayo snubbers coordinator	Date March, 27	. 2012
Owner or Owner's Design			
			
· · · · · · · · · · · · · · · · · · ·		······································	
CEI	RTIFICATE OF INSERVICE INSPE	ECTION	
I, the undersigned, holding a valid commission	n issued by the National Board of E	Boiler and Pressure Vessel Inspec	tors and the State
	employed by H		of
Hartford, CT in this Owner's Report during the period	02/20/12 to	617/12	, and state that
to the best of my knowledge and belief, the C	wner has performed examinations	and taken corrective measures de	scribed in this
Owner's Report in accordance with the require By signing this certificate neither the Insp			onceming the
examinations and corrective measures descri	bed in this Owner's Report. Furthen	more, neither the Inspector nor his	s employer
shall be liable in any manner for any personal	injury or property damage or a loss	of any kind arising from or conne	cted with this
inspection.	1.		
	AUR!	2677 4 1. T 0 A	7 - 7 -
Inspector's Signature	Commissions Nations	3977 A, N, I PA al Board, State, Province, and End	30 CO
	Nauona	ii bodiu, Siale, Flovilles, dilu Eliu	Orsenterus
Date 10NE 7, 2017			