

Clinton Power Station  
8401 Power Road  
Clinton, IL 61727



U-604527

10 CFR 55.55a(g)

January 15, 2020

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

Clinton Power Station, Unit 1  
Facility Operating License No. NPF-62  
NRC Docket No. 50-461

Subject: Post Outage 90-Day Inservice Inspection (ISI) Summary Report

In accordance with 10 CFR 50.55a, Codes and Standards, paragraph (g), "Inservice Inspection Requirements," Exelon Generating Company (EGC), LLC is required to maintain an Inservice Inspection Program in accordance with the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code. Please find enclosed the Post-Outage (90-Day) ISI Summary Report for the Clinton Power Station, Unit 1, for examinations and repair/replacement activities performed between May 22, 2018, (i.e., end of the 18<sup>th</sup> refueling outage) and October 17, 2019 (i.e., end of the 19<sup>th</sup> refueling outage).

The Post Outage Summary Report is being submitted in accordance with the requirements of ASME Section XI, Article IWA-6200, Paragraph IWA-6230. The 19<sup>th</sup> refueling outage was the second refueling outage in the third inspection period of the third inspection interval that began on July 1, 2010.

This letter contains no regulatory commitments.

Please direct any questions you may have regarding this submittal to Mr. Dale A. Shelton, Regulatory Assurance Manager, at (217) 937-2800.

Respectfully,

A handwritten signature in black ink, appearing to read "JJK", written over a horizontal line.

John J. Kowalski  
Plant Manager  
Clinton Power Station

NS

Attachment: Clinton Power Station, Inservice Inspection Summary Report

cc: Regional Administrator – NRC Region III  
NRC Senior Resident Inspection – Clinton Power Station  
Office of Nuclear Facility Safety – IEMA Division of Nuclear Safety

AD47

NRR

# **Exelon Corporation**

4300 Winfield Rd, Warrenville, IL 60555

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## **INSERVICE INSPECTION SUMMARY REPORT**

**REPORT DATE:** January 14, 2020

**INSERVICE DATE:** April 24, 1987

**REFUELING OUTAGE:** C1R19

**CLINTON POWER STATION Unit 1**  
8401 Power Rd, CLINTON, ILLINOIS 61727

INSERVICE INSPECTION  
SUMMARY REPORT

CIR19

Prepared by: Mirza Bani / 1-8-2020

Reviewed by: Brendan J. Casey / 1/14/2020

Approved by: Mancellus P. / 1/14/2020 <sup>HMB</sup>

Concurred by: Phil P. / 1/14/2020

SECTION 1  
INTRODUCTION AND SCOPE

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## SECTION 1

### INTRODUCTION AND SCOPE

#### INTRODUCTION:

This Summary Report covers the Inservice Inspection performed at Clinton Power Station (CPS), between May 22, 2018 and October 17, 2019. This is the second refueling outage performed during the third inspection period of the third ten (10)-year interval. During this Fuel Cycle, CPS experienced one (1) forced outage (C1F62), one (1) planned maintenance outage (C1M23), and one (1) refueling outage (C1R19). All examinations, tests, repairs and replacements were performed in accordance with the CPS Inservice Examination Plan which complies with ASME Section XI, 2004 Edition.

The ASME Section XI examinations, tests and repairs/replacements were witnessed or verified by Authorized Nuclear Inservice Inspectors (ANIIIs) M. Haydon and J. Norville of Hartford Steam Boiler of Connecticut. This summary report contains additional augmented (non-ASME Section XI) inspection results not required to be witnessed or verified by the ANII.

In accordance with IWA-6220, Preparation of Abstract of Examination Required by Form NIS-1, the name and description of the components examined are listed on the NIS-1 Data Report and its attachments (Section 2). Further component information is obtainable through the reference number, or other information, for the specific item. The manufacturers' names for the components examined are also identified in Item 7 of the NIS-1 Data Report and their addresses are on file at CPS. Documentation supporting this Summary Report is referenced in the Inservice Examination Plan, implementing procedures, or record files identified in the specific sections of this report.

#### Scope:

The scope of Inservice Inspection performed during this Fuel Cycle is summarized as follows:

- Preservice Examinations – Preservice examinations were performed on bolting and component supports (including snubbers).
- Scheduled Inservice Examinations – The NIS-1 Data Report (Section 2) provides the listing of examinations completed during C1R19. Conditions noted during C1R19 and corrective measures taken are described in the NIS-1 Data Report.

- Component Supports – Ninety-two (92) component supports (other than snubbers) were scheduled for visual examination for C1R19. All were found acceptable. One hundred and forty-one (141) snubbers were scheduled for visual examination for C1R19. All snubbers were acceptable.

- Pressure Tests

ASME Code Class 1 Components – A system leakage test and VT-2 inspection of ASME Code Class 1 components were successfully performed prior to plant startup.

- Repairs and Replacements – During C1R19 no repairs or replacements were required as a result of scheduled examinations. During C1R19, there were modifications performed. The modifications, as well as repairs and replacements which resulted from routine maintenance, are specifically detailed in Section 3 of this report.

Two (2) issue reports were generated to address the following condition:

- IR 4309402 was initiated to document safety related bolting (but not ASME Section III) were installed in a Class 3 piping bolted connection.
- IR 4309392 was initiated to document that one (1) Class 2 nut (out of 8) installed on a Class 1 check valve 1B21F010A.

- Containment Inservice Inspection – In C1R19, examinations required by 10CFR50.55a(g) were completed in accordance with Subsections IWE and IWL of ASME Section XI Code, 2013 Edition. This is the first inspection period of the third interval, which began September 10, 2018, and scheduled to end September 09, 2028, for Containment Inservice Inspection activities.

IWE:

All Class MC components required to be examined were scheduled and examined in C1R19. No unacceptable indications were identified.

IWL:

All Class CC components were scheduled and examined in C1R19. No unacceptable indications were identified.

**SECTION 2**  
**NIS-1 CODE DATA REPORT**



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

1. Owner Exelon Corporation, 4300 Winfield Rd, Warrenville, IL 60555
2. Plant Clinton Power Station, 8401 Power Rd, Clinton, IL 61727
3. Plant Unit 1 4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date 4/24/1987 6. National Board Number for Unit N/A

7. Components Inspected

Component or Appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
Reactor Vessel 1B13-D003	Chicago Bridge & Iron Co.	B5225	B005056	4442
Valve 1B21-F010A	Anchor Darling Co.	E-6214-153-1	N/A	N/A
Valve 1B21-F022B	Atwood Morrill Co.	2-562	N/A	N/A
Valve 1B21-F022C	Atwood Morrill Co.	1-562	N/A	N/A
Valve 1B21-F028B	Atwood Morrill Co.	6-562	N/A	N/A
Valve 1B21-F028C	Atwood Morrill Co.	7-562	N/A	N/A
Valve 1C41F004B	Conax Corporation	70	N/A	N/A
Valve 1E12F018B	Anchor Darling Valve Co	E-6214-50-2	N/A	N/A
Valve 1E12F046B	Anchor Darling Valve Co	E-6214-98-2	N/A	N/A
Valve 1E22F005	Anchor Darling Valve Co	E-6214-21-1	N/A	N/A
Piping System	Illinois Power Co.	See Note 1	N/A	N/A

Note 1: The piping components examined/tested are listed in Attachment 1 of this NIS-1 Data Report.

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8 1/2 in. x 11 in. (2) information in the 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-1 (Back)

8. Examination Dates 05/22/18 to 10/17/19
9. Inspection Period Identification 3
10. Inspection Interval Identification 07/01/10 to 06/30/20
11. Applicable Edition of Section XI 2004 Addenda N/A
12. Date/Revision of Inspection Plan Rev. 17
13. Abstract of Examinations and Tests. Include a list of examinations and tests a statement concerning status for the Inspection Plan.  
See Attachment 1.
14. Abstract of Results of Examination and Tests.  
See Attachment 1.
15. Abstract of Corrective Measures.  
See Attachment 2.

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) N/A Expiration Date N/A  
Date 1-14-2020 Signed Exelon Corporation By Mirza Banf  
Owner

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this owner's report during the period 05/22/18 to 10/17/19, and state that to the best of my knowledge and belief, the owner has performed examinations and tests and taken corrective measures described in this owner's Report in accordance with the inspection plan and as required by the ASME Code, Section XI.

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

[Signature] Commissions NB #10989 S, I, N, R IL #1721  
Inspector's Signature National Board, state, province, and endorsements

Date 14 January 2020

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

## ATTACHMENT 1

- |   |   |
|---|---|
| 1. Owner: <u>Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555</u> |   |
| 2. Plant: <u>Clinton Power Station, 8401 Power Rd., Clinton, IL 61727</u>     |   |
| 3. Plant Unit: <u>1</u>   | 4. Owner Certificate of Authorization: <u>N/A</u> |
| 5. Commercial Service Date: <u>4-24-87</u>                                    | 6. National Board Number for Unit: <u>N/A</u>     |

### 13/14. Abstract of Examination:

#### Listing of Examinations:

Table 1 lists scheduled examinations of components for C1R19. The results column in the table provides further explanation for these examinations. Those items, which were examined, that require no further evaluation are identified as acceptable.

Table 2 lists scheduled visual examinations of component supports. The results column in the table provides further explanation for these examinations. Those items, which were examined, that require no further evaluation are identified as acceptable. The visual examination results of all supports were acceptable.

Table 3 lists scheduled visual examinations of snubbers. The results column in the table provides further explanation for these examinations. Those items, which were examined, that require no further evaluation are identified as acceptable. The visual examination results of all snubbers were acceptable.

Table 4 lists scheduled pressure tests. The results column in the table provides further explanation for these tests.

#### Current Interval Status:

Currently CPS is in the Third Period of the Third Interval. CPS had one (1) refueling outage, C1R13 during the First Period. CPS had four (4) refueling outages, C1R14, C1R15, C1R16 and C1R17, during the Second Period. There were two (2) refueling outages, C1R18 and C1R19, during the Third Period.

Cumulatively at the end of C1R19, 100% of all required examinations have been completed in accordance with IWA-2400 (Inspection Program B) for the third ten-year interval. This is the last refueling outage for the Third Ten Year Interval. Appendix 1 identifies the details. The calculation

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

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| 2. Plant: <u>Clinton Power Station, 8401 Power Rd., Clinton, IL 61727</u>     |   |
| 3. Plant Unit: <u>1</u>   | 4. Owner Certificate of Authorization: <u>N/A</u> |
| 5. Commercial Service Date: <u>4-24-87</u>                                    | 6. National Board Number for Unit: <u>N/A</u>     |

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does not include system pressure tests which have specific requirements for completion during specific inspection periods and refueling outages.

### Appendix 1 Clinton Power Station Unit 1

With the Exception of Categories/Items can be deferred until the End of Interval  
Number and Percentage of ISI Examinations Completed

Category	Total Number of Welds	Total Number Selected	Numbers Completed in Period 1	Percentage Completed In Period 1	Numbers Completed in Period 2	Percentage Completed In Period 2	Total Percent Completed in Period 1 & 2	Numbers Completed in Period 3	Percentage Completed In Period 3	Total Percent Completed at End of 3 <sup>rd</sup> Interval
B-A	2 Note 1	2	.833	42%	.33	16%	58%	.833	42%	100
B-D	62	32	10	31%	8	25%	56%	14	44%	100
B-G-1	Note 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B-G-2	Note 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B-K	41	13	5	38%	4	31%	69%	4	31%	100
B-L-2	Note 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B-M-2	Note 2	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B-N-1	Note 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B-N-2	Note 3	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B-O	Note 4	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
B-P	Note 5	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C-A	4	2	1	50%	-	-	50%	1	50%	100
C-B	8	4	-	-	2	50%	50%	2	50%	100
C-C	59	12	3	25%	3	25%	50%	6	50%	100
C-G	Note 6	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
C-H	Note 7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
D-A	43	5	2	40%	1	20%	60%	2	40%	100
D-B	Note 7	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
F-A	1342	275	54	19%	95	34%	53%	126	47%	100
R-A	473	81	18	22%	34	42%	64%	29	36%	100

Note 1 – Only 2 welds (Shell to Flange and Head to Flange) required to meet percent completion requirements.

Note 2 – Examinations deferred until disassembly of these components for maintenance, repair/replacement activity, or volumetric examination. No Percentage will be calculated.

Note 3 – Relief Request I3R-10 was approved to Use of BWRVIP Guidelines in lieu of Specific ASME Code Requirements. No counts will be performed.

Note 4 – All required exams were completed at the end of the interval.

Note 5 – ASME Class 1 Components Pressure Test is performed at the end of every refueling outage.

Note 6 – Relief Request I3R-11 was approved to Use the ASME Section XI, 2007 Edition with the 2008 Addenda in Lieu of 2004 Edition. No counts will be performed.

Note 7 – ASME Class 2 & 3 Components Pressure Test is performed every Inspection Period.

## ATTACHMENT 1

1. Owner: Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555  
2. Plant: Clinton Power Station, 8401 Power Rd., Clinton, IL 61727  
3. Plant Unit: 1 4. Owner Certificate of Authorization: N/A  
5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE	CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
0001181	ISX19008R-WA	VT-1	D1.20	D-A	3	ACCEPTABLE
000250	RPV-C5(1/2)	UT	B1.30	B-A	1	ACCEPTABLE, SEE NOTE 1
0003201	IFC14008A-WA	VT-1	F1.30	F-A	3	ACCEPTABLE
000350	RPV-V1A	MECH UT	B1.12	B-A	1	ACCEPTABLE
000400	RPV-V1B	MECH UT	B1.12	B-A	1	ACCEPTABLE
000450	RPV-V2A	MECH UT	B1.12	B-A	1	ACCEPTABLE
000500	RPV-V2B	MECH UT	B1.12	B-A	1	ACCEPTABLE
000550	RPV-V2C	MECH UT	B1.12	B-A	1	ACCEPTABLE
000600	RPV-V3A	MECH UT	B1.12	B-A	1	ACCEPTABLE
000650	RPV-V3B	MECH UT	B1.12	B-A	1	ACCEPTABLE
000700	RPV-V3C	MECH UT	B1.12	B-A	1	ACCEPTABLE
000750	RPV-V4A	MECH UT	B1.12	B-A	1	ACCEPTABLE
000800	RPV-V4B	MECH UT	B1.12	B-A	1	ACCEPTABLE
000850	RPV-V4C	MECH UT	B1.12	B-A	1	ACCEPTABLE
000900	RPV-MA	UT	B1.22	B-A	1	ACCEPTABLE
000950	RPV-MB	UT	B1.22	B-A	1	ACCEPTABLE
001000	RPV-MC	UT	B1.22	B-A	1	ACCEPTABLE
001050	RPV-MD	UT	B1.22	B-A	1	ACCEPTABLE
001150	N1B	MECH UT	B3.90	B-D	1	ACCEPTABLE
001900	N4B	MECH UT	B3.90	B-D	1	ACCEPTABLE
001950	N4C	MECH UT	B3.90	B-D	1	ACCEPTABLE
002200	N6B	MECH UT	B3.90	B-D	1	ACCEPTABLE
002350	N10	UT	B3.90	B-D	1	ACCEPTABLE
002400	N16	UT	B3.90	B-D	1	ACCEPTABLE
002500	N1B-IRS	MECH UT	B3.100	B-D	1	ACCEPTABLE
003300	N4B-IRS	MECH UT	B3.100	B-D	1	ACCEPTABLE
003350	N4C-IRS	MECH UT	B3.100	B-D	1	ACCEPTABLE
003600	N6B-IRS	MECH UT	B3.100	B-D	1	ACCEPTABLE
003750	N10-IRS	UT	B3.100	B-D	1	ACCEPTABLE
003800	N16-IRS	UT	B3.100	B-D	1	ACCEPTABLE
004350	N1B-W-1	MECH UT	NA	NA	1	ACCEPTABLE, SEE NOTE 2
004900	N4A-W-1	MECH UT	R1.11	R-A	1	ACCEPTABLE
004940	N4B-W-1	MECH UT	R1.11	R-A	1	ACCEPTABLE
004980	N4C-W-1	MECH UT	R1.11	R-A	1	ACCEPTABLE
005025	N4D-W-1	MECH UT	R1.11	R-A	1	ACCEPTABLE
005520	N9B-W-1	UT	NA	NA	1	ACCEPTABLE
007500	CLOSURE STUDS(22)	UT	B6.20	B-G-1	1	ACCEPTABLE
007550	CLOSURE NUTS(22)	VT-1	B6.10	B-G-1	1	ACCEPTABLE

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
007650	CLOSURE WASHERS(22)	VT-1		B6.50	B-G-1	1	ACCEPTABLE
008750	CRDH-2 10%	PT		B14.10	B-O	1	ACCEPTABLE
008751	CRDH-3 10%	PT		B14.10	B-O	1	ACCEPTABLE
009050	CH-C-2 (1/3)	MT		B1.40	B-A	1	ACCEPTABLE
009300	CH-ME	UT		B1.22	B-A	1	ACCEPTABLE
009350	CH-MF	UT		B1.22	B-A	1	ACCEPTABLE
009500	N8	UT		B3.90	B-D	1	ACCEPTABLE
009650	N8-IRS	UT		B3.100	B-D	1	ACCEPTABLE
009850	2	UT-E		R1.11	R-A	1	ACCEPTABLE
111880	1-FW-1-8R1	UT-E		R1.11	R-A	1	ACCEPTABLE
112880	1-FW-1-3-10	UT-E		R1.11	R-A	1	ACCEPTABLE
113340	1-FW-2-3-8	UT-E		R1.11	R-A	1	ACCEPTABLE
113380	1-FW-2-3-10	UT-E		R1.11	R-A	1	ACCEPTABLE
113420	1-FW-2-3-11	UT-E		R1.11	R-A	1	ACCEPTABLE
113440	1-FW-2-10	UT-E		R1.11	R-A	1	ACCEPTABLE
114300	1-FW-1-1	UT-E		R1.11	R-A	1	ACCEPTABLE
120020	1-NB-1-1-2Q1-FB	VT-1		B7.50	B-G-2	1	ACCEPTABLE
130390	1-RR-AA-A1	UT-E		R1.20	R-A	1	ACCEPTABLE
130410	1-RR-AA-1	UT-E		R1.20	R-A	1	ACCEPTABLE
131120	1-RR-AC-1	UT-E		R1.20	R-A	1	ACCEPTABLE
133500	1-RR-BH-1	UT-E		R1.20	R-A	1	ACCEPTABLE
133560	1-RR-BH-2	UT-E		R1.20	R-A	1	ACCEPTABLE
136820	1-RR-B-4	UT-E		R1.20	R-A	1	ACCEPTABLE
137580	1-RR-B-15	UT-E		R1.20	R-A	1	ACCEPTABLE
151000	1-HP-5-1	UT-E		R1.20	R-A	1	ACCEPTABLE
161400	1RH01001C-WA	MT		B10.20	B-K	1	ACCEPTABLE
161420	1-RH-18-4-3	UT-E		R1.11	R-A	1	ACCEPTABLE
162340	1-RH-23-7-2	UT-E		R1.11	R-A	1	ACCEPTABLE
164380	1-RH-12-13-3	UT-E		R1.11	R-A	1	ACCEPTABLE
172140	1259085-W11-S(CPS)	UT-E		R1.20	R-A	1	ACCEPTABLE
172260	1259085-W19-F	UT-E		R1.20	R-A	1	ACCEPTABLE
172720	1-RT-31-6	MT		B10.20	B-K	1	ACCEPTABLE
189320	1SC07001A-WA	MT		B10.20	B-K	1	ACCEPTABLE
200560	SS LUGS B; 1 THRU 4	PT		B10.30	B-K	1	ACCEPTABLE
230000	1B21-F010A-BOLT	VT-1		B7.70	B-G-2	1	ACCEPTABLE
230120	1B21-F022C-BOLT	VT-1		B7.70	B-G-2	1	ACCEPTABLE
231040	1E22-F005-BOLT	VT-1		B7.70	B-G-2	1	ACCEPTABLE
250000	1B21-F010A-INT	VT-3		B12.50	B-M-2	1	ACCEPTABLE

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION**

**ATTACHMENT 1**

**TABLE 1**

<b>1. Owner:</b> Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555
<b>2. Plant:</b> Clinton Power Station, 8401 Power Rd., Clinton, IL 61727
<b>3. Plant Unit:</b> 1 <b>4. Owner Certificate of Authorization:</b> N/A
<b>5. Commercial Service Date:</b> 4-24-87 <b>6. National Board Number for Unit:</b> N/A

**13/14. Abstract of Examinations: Listing of Scheduled ISI Examinations**

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
250120	1B21-F022C-INT	VT-3		B12.50	B-M-2	1	ACCEPTABLE
251040	1E22-F005-INT	VT-3		B12.50	B-M-2	1	ACCEPTABLE
400000	HEA-1	UT		C1.20	C-A	2	ACCEPTABLE
400100	HEA-3	MT	UT	C2.21	C-B	2	ACCEPTABLE
400110	HEA-3 IRS	UT		C2.22	C-B	2	ACCEPTABLE
400200	HEA-1 THRU -4-WA	MT		C3.10	C-C	2	ACCEPTABLE
400250	HEA-5 THRU -8-WA	MT		C3.10	C-C	2	ACCEPTABLE
574740	1-RH-17-1-2	UT-E		R1.20	R-A	2	ACCEPTABLE
579620	1-RH-9-13-5	UT-E		R1.20	R-A	2	ACCEPTABLE
579640	1-RH-9-13-7	UT-E		R1.20	R-A	2	ACCEPTABLE
583420	1RH07018V-WA	MT		C3.20	C-C	2	ACCEPTABLE, SEE NOTE 9
593100	1-RH-17-1-3	UT-E		R1.20	R-A	2	ACCEPTABLE
593120	1-RH-17-1-4	UT-E		R1.20	R-A	2	ACCEPTABLE
593140	1-RH-17-1-5	UT-E		R1.20	R-A	2	ACCEPTABLE
599421	1RH04024A-WA	MT		C3.20	C-C	2	ACCEPTABLE
613020	1RI03004V-WA	MT		C3.20	C-C	2	ACCEPTABLE
803600	RCIC-1A (1-4)	MT		C3.30	C-C	2	ACCEPTABLE, SEE NOTE 10
943395	1SX24008A-WA	VT-1		D1.20	D-A	3	ACCEPTABLE



# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

## ATTACHMENT 1

TABLE 1 (Continued)

- |  |  |
|--|--|
| 1. Owner: Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555 |  |
| 2. Plant: Clinton Power Station, 8401 Power Rd., Clinton, IL 61727     |  |
| 3. Plant Unit: 1   | 4. Owner Certificate of Authorization: N/A |
| 5. Commercial Service Date: 4-24-87                                    | 6. National Board Number for unit: N/A     |

13/14. Abstract of Examinations: Listing of Scheduled IVVI Program Examinations. None

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE	CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
008111	Shroud Vertical Welds (4)	UT	N/A	N/A	1	ACCEPTABLE
008451	Core Spray INT Piping	UT/ EVT-1	N/A	N/A	1	ACCEPTABLE, SEE NOTE 3
008587	Steam Dryer Access Hole-325 Deg OD	VT-1	N/A	N/A	1	ACCEPTABLE, SEE NOTE 4
008584	Separator Lifting Assemblies	VT-3	N/A	N/A	N/A	ACCEPTABLE, SEE NOTE 5
008352	Feedwater Spargers End Bracket Bolt Stop	VT-1	N/A	N/A	1	ACCEPTABLE, SEE NOTE 6
008555	Lower Surveillance Specimen Brackets	VT-1	N/A	N/A	1	ACCEPTABLE, SEE NOTE 7
008111	Shroud Vertical Welds (8)	EVT-1	N/A	N/A	1	ACCEPTABLE
008111	Shroud Vertical Welds (2) OFF-AXIS	EVT-1	N/A	N/A	1	ACCEPTABLE
008713	Access Hole Cover	EVT-1	N/A	N/A	1	ACCEPTABLE
008116	Tie Rods	Det. VT-3	N/A	N/A	1	ACCEPTABLE
008455	Steam Dryer Support Bracket Attachment @ 326 Deg.	EVT-1	N/A	N/A	1	ACCEPTABLE, SEE NOTE 8
008652	Top Guide	EVT-1	N/A	N/A	1	ACCEPTABLE
008111	Core Spray Spargers Spare Pads (all)	VT-3	N/A	N/A	1	ACCEPTABLE
950607	JP Riser Welds, Various	EVT-1	N/A	N/A	1	ACCEPTABLE
008607	JP Wedges WD-1, Various	VT-1	N/A	N/A	1	ACCEPTABLE
008660	LPCI, B Loop	EVT-1	N/A	N/A	1	ACCEPTABLE
008710	SRM (2)	EVT-1	N/A	N/A	1	ACCEPTABLE
008574	LPRM (3)	EVT-1	N/A	N/A	1	ACCEPTABLE

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

## ATTACHMENT 1

### TABLE 1 Notes

- |  |   |
|--|---|
| 1. Owner: <u>Exelon Corporation, 965 Chesterbrook Blvd., Wayne, PA 19087</u> |   |
| 2. Plant: <u>Clinton Power Station, 8401 Power Rd, Clinton, IL 61727</u>     |   |
| 3. Plant Unit: <u>1</u>  | 4. Owner Certificate of Authorization: <u>N/A</u> |
| 5. Commercial Service Date: <u>4-24-87</u>                                   | 6. National Board Number for Unit: <u>N/A</u>     |

13 / 14. Abstract of Examinations: Listing of Scheduled Examinations

#### Note 1:

RPV-C5(1/2) --

The examination coverage for weld RPV-C5 was less than 90%. A relief request will be submitted.

#### Note 2:

N1B-W-1 --

During the last refueling outage, C1R17 (in 2017), per the ISI Program, an ultrasonic examination was performed on Reactor Recirc Dissimilar (DM) Weld N1B-W-1 to meet the augmented program requirements of the IGSCC program. During the examination, a planar indication (embedded discontinuity) was discovered in the weld. The planar indication is considered a subsurface indication. This indication is not connected to the ID surface. The indication is 0.80" long and has a through wall dimension of 0.45". The top of the indication is located 0.45" from the outside surface.

Per the ISI Program this weld was evaluated per IWB-3514. Based on the thickness of the pipe wall (excluding cladding) of 1.54" an aspect ratio calculation was performed. This calculation showed that this indication exceeded the allowable limits specified in Section XI, therefore, was unacceptable. This weld was examined with General Electric-Hitachi procedure GEH-UT-247, which has been demonstrated in accordance with the requirements of ASME Section XI, Appendix VIII.

This item was evaluated as acceptable prior to completion of last outage, C1R17. As required by IWB-2420 an ultrasonic examination was performed in C1R19 refueling outage, September, 2019, and results were compared with the previous outage results. No measurable change was observed.

Note 3:

Core Spray Internal piping – In accordance with BWR VIP-18 document, Ultrasonic examinations were performed on the selected welds on Core Spray piping. Indications were recorded on three (3) of these welds (BP2, CP2, and DP2). This is not an ASME Section XI item. See Attachment 2 for further discussion.

Note 4:

Steam Dryer (Access Hole Patch @ 325 degrees from OD) -

During the C1R19 outage examinations were performed on 325 degrees Steam Dryer OD Access Hole Patch to monitor this indication identified in C1R15. No discernible changes were noted. These items were evaluated as acceptable as described in Attachment 2. The Steam Dryer is not an ASME Section XI item.

Note 5:

Moisture Separator Lifting Assemblies –

During the C1R19 outage, In-Vessel Visual Inspections (IVVI) were performed on the Moisture Separator Lifting Assemblies. Previous outage inspections identified relevant conditions on all four locations as documented in INR C1R14-13-01 R1. Previously noted indications on the 150 deg and 330 deg Lifting Rods had no discernible change. A new indication was noted on the Lower tack weld of the 80 deg Lifting Rod on the 70 deg side. Increased wear was noted on the 260 deg Lifting rod at the Upper Support Ring interface and on both Lower tack welds where previous indications had been noted. New wear was observed on the same Lifting Rod at the Mid Support Ring interface as well. These items were evaluated as acceptable as described in Attachment 2.

Note 6:

Feedwater Sparger End Bracket Bolt Stops -

During the C1R19 outage, In-Vessel Visual Inspections were performed on the Feedwater End Bracket Bolt, Nut and Tack Welds. Per the INR, except for the for the 097° Rod, no discernable changes were noted between C1R17 and C1R19 outages. Since there were no discernible changes noted between the C1R17 and C1R19 inspections, the indications are acceptable as dispositioned by EC 619862.

At the 97° Rod, new slight wear was noted on the pin. This condition was accepted, see Attachment 2 for further details.

Note 7:

RPV Surveillance Specimen Lower Bracket Welded Attachments –

During the C1R19 outage, In-Vessel Visual Inspections were performed on Surveillance Specimen Brackets. Per the INR no discernible changes were noted between C1R17 and C1R19 outage (003°, 177°, or 183° bracket).

Since there were no discernible changes noted between C1R17 and C1R19 inspections, these indications were evaluated and accepted, see Attachment 2 for further details.

Note 8:

Steam Dryer Support Bracket @ 326 degrees –

During the C1R19 outage examinations were performed on Steam Dryer Support Bracket @ 326 degrees to monitor wear pattern. Slight changes in wear pattern were identified in C1R15. No discernible changes were noted this time. These items were evaluated as acceptable as described in Attachment 2.

Note 9:

1RH07018V-WA –

The examination coverage for Welded Attachment 1RH07018V-WA was less than 90%. A relief request will be submitted.

Note 10:

RCIC-1A (1-4) –

The examination coverage for Welded Attachment RCIC-1A (1-4) was less than 90%. A relief request will be submitted.

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

## ATTACHMENT 1

TABLE 2

1. Owner: Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555  
 2. Plant: Clinton Power Station, 8401 Power Rd., Clinton, IL 61727  
 3. Plant Unit: 1 4. Owner Certificate of Authorization: N/A  
 5. Commercial Service Date: 4-24-87 6. National Board Number for Unit: N/A

### 13/14. Abstract of Examinations: Listing of Scheduled Component Supports Examinations

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE	CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
0000275	1SX09019R	VT-3	F1.30	F-A	3	ACCEPTABLE
0000290	1SX09022X	VT-3	F1.30	F-A	3	ACCEPTABLE
0000650	1SX08007X	VT-3	F1.30	F-A	3	ACCEPTABLE
0000670	1SX08011V	VT-3	F1.30	F-A	3	ACCEPTABLE
0000710	1SX08019R	VT-3	F1.30	F-A	3	ACCEPTABLE
0000930	1SX35014X	VT-3	F1.30	F-A	3	ACCEPTABLE
0000970	1SX35025R	VT-3	F1.30	F-A	3	ACCEPTABLE
0000980	1SX35046G	VT-3	F1.30	F-A	3	ACCEPTABLE
0001030	1SX18003R	VT-3	F1.30	F-A	3	ACCEPTABLE
0001050	1SX18007X	VT-3	F1.30	F-A	3	ACCEPTABLE
0001075	1SX18012R	VT-3	F1.30	F-A	3	ACCEPTABLE
0001120	1SX18021X	VT-3	F1.30	F-A	3	ACCEPTABLE
0001180	1SX19008R	VT-3	F1.30	F-A	3	ACCEPTABLE
0001245	1SX19022X	VT-3	F1.30	F-A	3	ACCEPTABLE
0002365	1FC10003V	VT-3	F1.30	F-A	3	ACCEPTABLE
0002495	1FC02039R	VT-3	F1.30	F-A	3	ACCEPTABLE
0002535	1FC02015X	VT-3	F1.30	F-A	3	ACCEPTABLE
0002545	1FC02017R	VT-3	F1.30	F-A	3	ACCEPTABLE
0002725	1FC03108R	VT-3	F1.30	F-A	3	ACCEPTABLE
0002785	1FC03092X	VT-3	F1.30	F-A	3	ACCEPTABLE
0002900	1FC03084X	VT-3	F1.30	F-A	3	ACCEPTABLE
0003050	1FC01001G	VT-3	F1.30	F-A	3	ACCEPTABLE
0003200	1FC14008A	VT-3	F1.30	F-A	3	ACCEPTABLE
0003405	1FC Pump 'A'	VT-3	F1.30	F-A	3	ACCEPTABLE
0003415	1FC HT EX 'A'	VT-3	F1.30	F-A	3	ACCEPTABLE
903755	1FW02008C	VT-3	F1.10	F-A	1	ACCEPTABLE
906010	1HP01007A	VT-3	F1.10	F-A	1	ACCEPTABLE
906135	1HP03001V	VT-3	F1.20	F-A	2	ACCEPTABLE
906145	1HP03003X	VT-3	F1.20	F-A	2	ACCEPTABLE
906250	1HP04008A	VT-3	F1.20	F-A	2	ACCEPTABLE
906690	1HP03045X	VT-3	F1.20	F-A	2	ACCEPTABLE
908040	1LP02002X	VT-3	F1.10	F-A	1	ACCEPTABLE
908055	1LP02005A	VT-3	F1.10	F-A	1	ACCEPTABLE
908800	LPCS PUMP	VT-3	F1.40	F-A	2	ACCEPTABLE
909160	1H102C	VT-3	F1.10	F-A	1	ACCEPTABLE
912000	1RH01001C	VT-3	F1.10	F-A	1	ACCEPTABLE
912035	1RH03001C	VT-3	F1.10	F-A	1	ACCEPTABLE
912065	1RH03007A	VT-3	F1.10	F-A	1	ACCEPTABLE

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
912185	1RH06004X	VT-3		F1.10	F-A	1	ACCEPTABLE
912800	RHR-HE "A"	VT-3		F1.40	F-A	2	ACCEPTABLE
913110	1RH09023V	VT-3		F1.20	F-A	2	ACCEPTABLE
913155	1RH09002X	VT-3		F1.20	F-A	2	ACCEPTABLE
913495	1RH07079A	VT-3		F1.20	F-A	2	ACCEPTABLE
913600	1RH08034V	VT-3		F1.20	F-A	2	ACCEPTABLE
913825	1RH04050A	VT-3		F1.20	F-A	2	ACCEPTABLE
914010	1RH09064X	VT-3		F1.20	F-A	2	ACCEPTABLE
914055	1RH09006V	VT-3		F1.20	F-A	2	ACCEPTABLE
914060	1RH09007R	VT-3		F1.20	F-A	2	ACCEPTABLE
914180	1RH10003A	VT-3		F1.20	F-A	2	ACCEPTABLE
914789	1RH07019X	VT-3		F1.20	F-A	2	ACCEPTABLE
914795	1RH07021V	VT-3		F1.20	F-A	2	ACCEPTABLE
914895	1RH08019V	VT-3		F1.20	F-A	2	ACCEPTABLE
916765	1RH08042X	VT-3		F1.20	F-A	2	ACCEPTABLE
917015	1RH02004V	VT-3		F1.20	F-A	2	ACCEPTABLE
917020	1RH02005R	VT-3		F1.20	F-A	2	ACCEPTABLE
917105	1RH04020X	VT-3		F1.20	F-A	2	ACCEPTABLE
917770	1RH04048X	VT-3		F1.20	F-A	2	ACCEPTABLE
918000	RHR PUMP "A"	VT-3		F1.40	F-A	2	ACCEPTABLE
919000	1RI08031G	VT-3		F1.10	F-A	1	ACCEPTABLE
919045	1RI10009X	VT-3		F1.10	F-A	1	ACCEPTABLE
919050	1RI10010X	VT-3		F1.10	F-A	1	ACCEPTABLE
920010	1RI07001A	VT-3		F1.20	F-A	2	ACCEPTABLE
920050	1RI07011R	VT-3		F1.20	F-A	2	ACCEPTABLE
920195	1RI06015R	VT-3		F1.20	F-A	2	ACCEPTABLE
920260	1RI08001R	VT-3		F1.20	F-A	2	ACCEPTABLE
920325	1RI02001G	VT-3		F1.20	F-A	2	ACCEPTABLE
920415	1RI03017R	VT-3		F1.20	F-A	2	ACCEPTABLE
920420	1RI03001V	VT-3		F1.20	F-A	2	ACCEPTABLE
920455	1RI03012X	VT-3		F1.20	F-A	2	ACCEPTABLE
921500	RCIC PUMP	VT-3		F1.40	F-A	2	ACCEPTABLE
922010	1H301A	VT-3		F1.40	F-A	1	ACCEPTABLE
922015	1H302A	VT-3		F1.40	F-A	1	ACCEPTABLE
922780	1H354B	VT-3		F1.10	F-A	1	ACCEPTABLE
923050	1RT01010R	VT-3		F1.10	F-A	1	ACCEPTABLE
923130	1RT01018R	VT-3		F1.10	F-A	1	ACCEPTABLE
940995	1SX01017R	VT-3		F1.30	F-A	3	ACCEPTABLE

REFERENCE NUMBER	ITEM IDENTIFICATION	EXAM TYPE		CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
941365	1SX01041X	VT-3		F1.30	F-A	3	ACCEPTABLE
941810	1SX02008X	VT-3		F1.30	F-A	3	ACCEPTABLE
941830	1SX02009R	VT-3		F1.30	F-A	3	ACCEPTABLE
942985	1SX10011R	VT-3		F1.30	F-A	3	ACCEPTABLE
943005	1SX10012X	VT-3		F1.30	F-A	3	ACCEPTABLE
943025	1SX10013R	VT-3		F1.30	F-A	3	ACCEPTABLE
943390	1SX24008A	VT-3		F1.30	F-A	3	ACCEPTABLE
946790	1SX51013X	VT-3		F1.30	F-A	3	ACCEPTABLE
948000	SX PUMP "A"	VT-3		F1.40	F-A	3	ACCEPTABLE
948500	SX-DG HE "A"	VT-3		F1.40	F-A	3	ACCEPTABLE
960000	1SC01021R	VT-3		F1.10	F-A	1	ACCEPTABLE
960020	1SC07001A	VT-3		F1.10	F-A	1	ACCEPTABLE
960220	1SC07011R	VT-3		F1.10	F-A	1	ACCEPTABLE
960340	1SC07017R	VT-3		F1.10	F-A	1	ACCEPTABLE
960380	1SC07019G	VT-3		F1.10	F-A	1	ACCEPTABLE
960480	1SC07024X	VT-3		F1.10	F-A	1	ACCEPTABLE

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

## ATTACHMENT 1

TABLE 3

- |  |  |
|--|--|
| 1. Owner: Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555 |  |
| 2. Plant: Clinton Power Station, 8401 Power Rd., Clinton, IL 61727     |  |
| 3. Plant Unit: 1   | 4. Owner Certificate of Authorization: N/A |
| 5. Commercial Service Date: 4-24-87                                    | 6. National Board Number for unit: N/A     |

### 13/14. Abstract of Examinations: Listing of Scheduled Snubbers Examinations

ITEM IDENTIFICATION	EXAM TYPE	CODE CATEGORY	RESULTS
1FW01007S	VT-3	F-A	ACCEPTABLE
1FW02001S	VT-3	F-A	ACCEPTABLE
1FW02006S	VT-3	F-A	ACCEPTABLE
1FW02007S	VT-3	F-A	ACCEPTABLE
1FW02010S	VT-3	F-A	ACCEPTABLE
1IS01033S	VT-3	F-A	ACCEPTABLE
1MS22004S	VT-3	F-A	ACCEPTABLE
1MS27011S	VT-3	F-A	ACCEPTABLE
1MS28009S	VT-3	F-A	ACCEPTABLE
1MS28010S	VT-3	F-A	ACCEPTABLE
1MS29006S	VT-3	F-A	ACCEPTABLE
1MS30002S	VT-3	F-A	ACCEPTABLE
1MS32005S	VT-3	F-A	ACCEPTABLE
1MS34012S	VT-3	F-A	ACCEPTABLE
1MS35002S	VT-3	F-A	ACCEPTABLE
1MS36009S	VT-3	F-A	ACCEPTABLE
1MS36010S	VT-3	F-A	ACCEPTABLE
1MS36011S	VT-3	F-A	ACCEPTABLE
1MS38002S	VT-3	F-A	ACCEPTABLE
1MS38005S	VT-3	F-A	ACCEPTABLE
1MS38027S	VT-3	F-A	ACCEPTABLE
1MS38072S	VT-3	F-A	ACCEPTABLE
1MS38094S	VT-3	F-A	ACCEPTABLE
1MS38095S	VT-3	F-A	ACCEPTABLE
1MS38096S	VT-3	F-A	ACCEPTABLE
1MS38097S	VT-3	F-A	ACCEPTABLE
1NB01002S	VT-3	F-A	ACCEPTABLE
1RB21596S	VT-3	F-A	ACCEPTABLE



ITEM IDENTIFICATION	EXAM TYPE	CODE CATEGORY	RESULTS
1RB33516S	VT-3	F-A	ACCEPTABLE
1RB34512S	VT-3	F-A	ACCEPTABLE
1RH07045S	VT-3	F-A	ACCEPTABLE
1RH07049S	VT-3	F-A	ACCEPTABLE
1RH07050S	VT-3	F-A	ACCEPTABLE
1RH07069S	VT-3	F-A	ACCEPTABLE
1RH07072S-E	VT-3	F-A	ACCEPTABLE
1RH07072S-W	VT-3	F-A	ACCEPTABLE
1RH07073S	VT-3	F-A	ACCEPTABLE
1RH07121S	VT-3	F-A	ACCEPTABLE
1RH07124S-DN	VT-3	F-A	ACCEPTABLE
1RH07124S-UP	VT-3	F-A	ACCEPTABLE
1RH07125S	VT-3	F-A	ACCEPTABLE
1RH09059S	VT-3	F-A	ACCEPTABLE
1RH09060S	VT-3	F-A	ACCEPTABLE
1RH09062S	VT-3	F-A	ACCEPTABLE
1RH09065S	VT-3	F-A	ACCEPTABLE
1RH72044S	VT-3	F-A	ACCEPTABLE
1RH73002S	VT-3	F-A	ACCEPTABLE
1RH81006S	VT-3	F-A	ACCEPTABLE
1RH82002S	VT-3	F-A	ACCEPTABLE
1RI01008S	VT-3	F-A	ACCEPTABLE
1RI01015W	VT-3	F-A	ACCEPTABLE
1RI02018S	VT-3	F-A	ACCEPTABLE
1RI03009S	VT-3	F-A	ACCEPTABLE
1RI03010S	VT-3	F-A	ACCEPTABLE
1RI03015S	VT-3	F-A	ACCEPTABLE
1RI08010S	VT-3	F-A	ACCEPTABLE
1RT01002S	VT-3	F-A	ACCEPTABLE
1RT01003S	VT-3	F-A	ACCEPTABLE
1RT01035S	VT-3	F-A	ACCEPTABLE
1RT02072S	VT-3	F-A	ACCEPTABLE
1RT06015S	VT-3	F-A	ACCEPTABLE
1RT06018S	VT-3	F-A	ACCEPTABLE
1RT06029S	VT-3	F-A	ACCEPTABLE
1RT06040S	VT-3	F-A	ACCEPTABLE
1RT07028S	VT-3	F-A	ACCEPTABLE
1RT07036S	VT-3	F-A	ACCEPTABLE
1RT07037S	VT-3	F-A	ACCEPTABLE

ITEM IDENTIFICATION	EXAM TYPE	CODE CATEGORY	RESULTS
1RT07040S	VT-3	F-A	ACCEPTABLE
1RT07048S	VT-3	F-A	ACCEPTABLE
1RT07052S	VT-3	F-A	ACCEPTABLE
1RT30002S	VT-3	F-A	ACCEPTABLE
1S101C	VT-3	F-A	ACCEPTABLE
1S102C	VT-3	F-A	ACCEPTABLE
1S102D	VT-3	F-A	ACCEPTABLE
1S106B	VT-3	F-A	ACCEPTABLE
1S106C	VT-3	F-A	ACCEPTABLE
1S372B	VT-3	F-A	ACCEPTABLE
1S373A	VT-3	F-A	ACCEPTABLE
1S373B	VT-3	F-A	ACCEPTABLE
1SX24017S	VT-3	F-A	ACCEPTABLE
1SX38013S	VT-3	F-A	ACCEPTABLE
1VG03018S	VT-3	F-A	ACCEPTABLE

ITEM IDENTIFICATION	EXAM TYPE	CODE CATEGORY	RESULTS
1FC11005S	VT-3	F-A	ACCEPTABLE
1MS07006S	VT-3	F-A	ACCEPTABLE
1MS07012S	VT-3	F-A	ACCEPTABLE
1MS07019S	VT-3	F-A	ACCEPTABLE
1MS07048S	VT-3	F-A	ACCEPTABLE
1MS22007S	VT-3	F-A	ACCEPTABLE
1MS25004S	VT-3	F-A	ACCEPTABLE
1MS26004S	VT-3	F-A	ACCEPTABLE
1MS26009S	VT-3	F-A	ACCEPTABLE
1MS26010S	VT-3	F-A	ACCEPTABLE
1MS27001S	VT-3	F-A	ACCEPTABLE
1MS28007S	VT-3	F-A	ACCEPTABLE
1MS29003S	VT-3	F-A	ACCEPTABLE
1MS29005S	VT-3	F-A	ACCEPTABLE
1MS29007S	VT-3	F-A	ACCEPTABLE
1MS29009S	VT-3	F-A	ACCEPTABLE
1MS30001S	VT-3	F-A	ACCEPTABLE
1MS32002S	VT-3	F-A	ACCEPTABLE
1MS32003S	VT-3	F-A	ACCEPTABLE
1MS35005S	VT-3	F-A	ACCEPTABLE
1MS35010S	VT-3	F-A	ACCEPTABLE
1MS36008S	VT-3	F-A	ACCEPTABLE
1MS36012S	VT-3	F-A	ACCEPTABLE
1RB32520S	VT-3	F-A	ACCEPTABLE
1RB35516S	VT-3	F-A	ACCEPTABLE
1RH07040S	VT-3	F-A	ACCEPTABLE
1RH07041S	VT-3	F-A	ACCEPTABLE
1RH07048S	VT-3	F-A	ACCEPTABLE
1RH07058S	VT-3	F-A	ACCEPTABLE
1RH07067S	VT-3	F-A	ACCEPTABLE
1RH07122S	VT-3	F-A	ACCEPTABLE
1RH08073S	VT-3	F-A	ACCEPTABLE
1RH08086S	VT-3	F-A	ACCEPTABLE
1RH08087S	VT-3	F-A	ACCEPTABLE
1RH08088S	VT-3	F-A	ACCEPTABLE
1RH09034S	VT-3	F-A	ACCEPTABLE
1RH09036S	VT-3	F-A	ACCEPTABLE
1RH09067S	VT-3	F-A	ACCEPTABLE
1RH09068S	VT-3	F-A	ACCEPTABLE
1RH09075S	VT-3	F-A	ACCEPTABLE

ITEM IDENTIFICATION	EXAM TYPE	CODE CATEGORY	RESULTS
1RH09076S	VT-3	F-A	ACCEPTABLE
1RH09081S	VT-3	F-A	ACCEPTABLE
1RH09082S	VT-3	F-A	ACCEPTABLE
1RH11011S	VT-3	F-A	ACCEPTABLE
1RH12002S	VT-3	F-A	ACCEPTABLE
1RH16011S	VT-3	F-A	ACCEPTABLE
1RH16013S-E	VT-3	F-A	ACCEPTABLE
1RH16013S-W	VT-3	F-A	ACCEPTABLE
1RH23005S	VT-3	F-A	ACCEPTABLE
1RH23006S	VT-3	F-A	ACCEPTABLE
1SX09016S	VT-3	F-A	ACCEPTABLE
1SX20010S	VT-3	F-A	ACCEPTABLE
1SX22007S	VT-3	F-A	ACCEPTABLE
1SX22012S	VT-3	F-A	ACCEPTABLE
1SX23009S	VT-3	F-A	ACCEPTABLE
1SX30006S	VT-3	F-A	ACCEPTABLE
1SX30008S	VT-3	F-A	ACCEPTABLE
1VG03002S	VT-3	F-A	ACCEPTABLE
1VQ05032S	VT-3	F-A	ACCEPTABLE

**FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION**

**ATTACHMENT 1**

**TABLE 4**

- |   |   |
|---|---|
| <b>1. Owner:</b> Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555 |   |
| <b>2. Plant:</b> Clinton Power Station, 8401 Power Road, Clinton, IL 61727    |   |
| <b>3. Plant Unit:</b> 1   | <b>4. Owner Certificate of Authorization:</b> N/A |
| <b>5. Commercial Service Date:</b> 4-24-87                                    | <b>6. National Board Number for Unit:</b> N/A     |

**13/14. Abstract of Examinations: Listing of Scheduled Pressure Testing.**

ITEM IDENTIFICATION	EXAM TYPE	CODE ITEM	CODE CATEGORY	CODE CLASS	RESULTS
ALL CLASS 1 COMPONENTS	VT-2	B15.10	B-P	1	ACCEPTABLE, SEE NOTE 1

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

## ATTACHMENT 1

### TABLE 4 Notes

- |   |   |
|---|---|
| 1. Owner: <u>Exelon Corporation, 4300 Winfield Rd., Warrenville, IL 60555</u> |   |
| 2. Plant: <u>Clinton Power Station, 8401 Power Rd., Clinton, IL 61727</u>     |   |
| 3. Plant Unit: <u>1</u>   | 4. Owner Certificate of Authorization: <u>N/A</u> |
| 5. Commercial Service Date: <u>4-24-87</u>                                    | 6. National Board Number for Unit: <u>N/A</u>     |

### 13 / 14. Abstract of Examinations: Listing of Scheduled Examinations

#### Note 1: Pressure Tests

#### Class 1 Components

A System Leakage Test and VT-2 inspection of ASME Class 1 components was performed prior to plant startup.

Condition noted: Only minor leakage from valve packing and bolted flanged connections was noted.

Corrective measures: Leakage was corrected to acceptable levels.

# FORM NIS-1 OWNER'S REPORT FOR INSERVICE INSPECTION

## ATTACHMENT 2

- |   |  |
|---|--|
| 1. Owner: Exelon Corporation, 965 Chesterbrook Blvd., Wayne, PA 19087 |  |
| 2. Plant: Clinton Power Station, 8401 Power Rd., Clinton, IL 61727    |  |
| 3. Plant Unit: 1  | 4. Owner Certificate of Authorization: N/A |
| 5. Commercial Service Date: 4-24-87                                   | 6. National Board Number for Unit: N/A     |

### 15. Abstract of Examinations:

#### Examinations:

##### **Core Spray Internal Piping –**

In accordance with the VIP-18, BWR Core Spray Internals Inspection and Evaluation Guidelines, Ultrasonic examinations were performed on the accessible areas of three (3) welds on Core Spray Internal Piping.

Condition Noted – Indications were identified on three (3) welds, BP2, CP2, and DP2. A small growth in welds BP2 and CP2 since C1R15 (2015) was identified.

Crack Growth Analysis – Crack Growth analysis was performed to demonstrate the structural integrity of the internal piping for continued operation for the next 48 months.

Leakage Rate Calculation – Separate leakage rate calculations were performed to demonstrate that the required amount of water can be transported to the core with the existing condition including crack growth.

##### **STEAM DRYER OD ACCESS HOLE PATCH @ 325**

Condition Noted - During the C1R19 outage examinations were performed on 325° Steam Dryer OD Access Hole Patch to monitor an indication identified in a previous outage. No discernible changes were noted. The Steam Dryer is not an ASME Section XI item.

Corrective Measures – Clinton Power Station has evaluated these indications and justified continued operation. This evaluation was documented in EC 629528.

##### **SEPARATOR LIFTING ASSEMBLIES -**

Condition Noted - During the C1R19 outage examinations were performed on Moisture Separator Lifting Assemblies. No discernible changes were noted on the 150° and 330° lifting rods between C1R14 and C1R19 outages.

However, a new indication was noted on the lower tack weld of the 80° Lifting Rod on the 70° side. Increased wear was noted on the 260° Lifting rod at the Upper Support ring interface and on both Lower tack welds where previous indications had been noted. New wear was also noted on the same Lifting rod at the Mid Support Ring interface.

Corrective Measures - Clinton Power Station has evaluated these indications and justified continued operation. This evaluation was documented in EC 629528.

#### **FEEDWATER (FW) END BRACKETS BOLT STOP -**

Condition Noted - During the C1R19 outage examinations were performed on the Feedwater End Bracket Bolt, Nut and Tack Welds. Except for the 097° Rod, no discernable changes were noted between C1R17 and C1R19 outages.

Corrective Measures - Clinton Power Station has evaluated these indications and justified continued operation. This evaluation was documented in EC 629528.

#### **SURVEILLANCE SPECIMEN BRACKETS -**

Condition noted - During the C1R19 outage examinations were performed on Surveillance Specimen Brackets. No discernible changes were noted between C1R17 and C1R19 outage (003°, 177°, or 183° bracket).

Corrective Measures – Clinton Power Station has evaluated these indications and justified continued operation. This evaluation was documented in EC 629528.

#### **STEAM DRYER SUPPORT BRACKET @326 -**

Condition Noted - During the C1R19 outage examinations were performed on 326° Steam Dryer Support Bracket. No discernible changes were noted between C1R17 and C1R19 outages.

Corrective Measures – Clinton Power Station has evaluated these indications and justified continued operation. This evaluation was documented in EC 629528.



## **Section 3**

### **REPAIR AND REPLACEMENT DATA REPORTS**

#### **NIS-2 OWNER'S DATA REPORT**

This section provides a listing of the ASME Section XI repairs or replacements performed since the last Summary Report.

All repairs and replacements were of a routine nature. CPS did not identify any flaws during performance of any ISI examination that required a repair or replacement.

Following the listing of repairs or replacements are copies of NIS-2 Owner's Data Reports for all of the Class 1 and 2 repairs and replacements which CPS performed during this reporting period. The records for all Section XI repairs and replacements are available and located in the Clinton Records Vault.

### Section 3

## Repair and Replacement Summary

NIS-2 Number	Class	Description
RF-19-003	2	Repaired by Welding Bonnet of Valve 1E12F053B
RF-19-004	2	Replaced Relief Valve 1E51F018 and associated studs and nuts
RF-19-009	1	Performed machining on the Outlet Flange Surface. Spare SRV Serial No. 160536
RF-19-010	1	Performed machining on the Outlet Flange Surface. Spare SRV Serial No. 160783
RF-19-011	1	Performed machining on the Outlet Flange Surface. Spare SRV Serial No. 160791
RF-19-012	1	Installed a Helicoil in MS Safety Relief Valve. Spare SRV Serial No. 160782
RF-19-013	1	Replaced SRV 1B21F041A
RF-19-014	1	Replaced SRV 1B21F041D and 2 Studs on Discharge Side
RF-19-015	1	Replaced SRV 1B21F047A
RF-19-016	1	Replaced SRV 1B21F047B and 5 Studs on Discharge Side
RF-19-017	1	Replaced SRV 1B21F051C
RF-19-018	1	Replaced SRV 1B21F051D and 3 Studs on Discharge Side
RF-19-022	2	Replaced Relief Valve 1E12F036
RF-19-025	1	Replaced Seventeen (17) CRDMs during C1R19. 1B13D008
RF-19-026	2	Replaced Relief Valve 1E21F018
RF-19-030	2	Replaced Plug Assembly of Valve 1C11F181.
RF-19-034	1	Replaced Bolting on RPV Head Vent Piping Bolted Connections.

### Section 3

## Repair and Replacement Summary

NIS-2 Number	Class	Description
RF-19-035	1	Replaced Trigger Assembly in Valve 1C41F004B
RF-19-038	2	Replaced Valves 1E12F018B, 1E12F046B, Piping, Flange, and small piping components and small valves.
RF-19-039	1	Replaced Poppet in Main Steam Isolation Valve 1B21F028B
RF-19-040	1	Replaced Poppet in Main Steam Isolation Valve 1B21F028C
RF-19-042	1	Replaced Poppet in Main steam Isolation Valve 1B21F022B
RF-19-043	1	Replaced Poppet and One Bolt in Main Steam Isolation Valve 1B21F022C. Also Repaired ID.
RF-19-044	2	Replaced Rupture Disk 1E51D001
RF-19-045	2	Replaced Rupture Disk 1E51D002
RF-19-046	1	Replaced two (2) hydraulic snubbers 1S102C and 1S102D to facilitate testing.
RF-19-047	1	Replaced three (3) hydraulic snubbers, 1S372B, 1S373A, and 1S373B to facilitate testing.
RF-19-048	2	Replaced four (4) Mechanical Snubbers 1RH09059S, 1RH09060S, 1RH09062S, and 1RH09065S.
RF-19-049	2	Replaced One (1) Mechanical Snubber 1MS38097S to facilitate testing.
RF-19-051	1	Replaced Three (3) Mechanical Snubbers 1FW01007S, 1FW02007S, and 1FW02010S to facilitate testing.
RF-19-053	1	Replaced a Mechanical Snubber 1NB01002S to facilitate testing.
RF-19-054	2	Replaced Two (2) Mechanical Snubbers 1RI01008S and 1RI02018S to facilitate testing.
RF-19-055	1,3	Replaced Six (6) Mechanical Snubbers (see remarks for EIN) to facilitate testing.

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd., Warrenville, IL 60555  
Address

Data Report No. RF-19-003

Date: 11/20/2018

Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Unit: 1

4808997 - 48 & 50

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

#### 4. Identification of System: NRH08

Code Class 2

5(a) Applicable Construction Code	Pipe:	1974 Edition	S74 Addenda	N/A	Code Case
	Component:	74 Edition	S75 Addenda	see remark	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI, 2004 Ed;No Add

(c) Section XI code Cases used . N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	ANCHOR DARLING	E-6214-16-2	N/A	1E12F053B	1979	Repaired	Yes

7. Description: Repaired by welding Bonnet of Valve 1E12F053B.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

ASME Section III Code Cases - 1516.1, 1567, 1622, 1635.1, 1677

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Repair conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Bani Engineer  
Owner or Owner's Designee, Title

Date 11-20-, 2018

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 9/19/2018 to 11/20/2018, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
 Inspector's Signature

Commissions NB# 10989 C, I, N, R IL# 1721  
National Board, State, Province, and Endorsements

Date 20 November, 2018

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 990 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Valve - Cat ID: ; UTC # - 2686360

Studs (8) - Cat ID: 1397175; UTC # - 4410763

Nuts (16) - Cat ID: 1394885; UTC # - 4369932

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Bary Engineer  
Owner or Owner's Designee, Title

Date 11-26-2018

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 8/20/2018 to 11/30/2018, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
Inspector's Signature

Commissions NB#10989 C, I, N, R IL#1721  
National Board, State, Province, and Endorsements

Date 30 NOVEMBER, 2018

Po 58808  
CAT ID 1389703-1  
UTC 2686360

Rcvd 2/19/04

Q.C.-44D-1A  
Sheet 1 of 2

**FORM NV-1, N CERTIFICATE HOLDERS' DATA REPORT FOR SAFETY AND SAFETY RELIEF VALVES**

As required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093  
(Name and Address of N Certificate Holder)  
Crosby Factory Order No. U699350000 Customer Order No. 00058808 R001

2. Manufactured for EXELON GENERATION  
(Name and Address of Purchaser or Owner)

3. Location of Installation CLINTON  
(Name and Address)

4. N/A DS-C-99658 REV.A -- 2003  
(CRN) (Drawing No.) (Nat'l. Brd. No.) (Year Built)

5. Valve JLT-JOS-15 TYPE J Identifying Nos. N99658-00-0002  
(Model No., Series No.) (N Certificate Holder's Serial No.)  
Type SAFETY RELIEF Valve I.D./Tag No. F018-1E51 1E51-F018  
Safety, Safety Relief; Pilot; Power Actuated)  
Orifice Size 1.360 Nominal Inlet Size 2 Outlet Size 3  
inch inch inch

6. Set Pressure (psig) 135 170 ° F  
Rated Relieving Temperature  
Stamped Capacity 441 Gpm Water@ 70 DEG.F @ 10 % Overpressure -- Blowdown (psig) 10% of S.P.

Hydrostatic Test (psig) Inlet 450 Outlet 100

(Applicable to Valves for Closed Systems Only)

**Pressure Retaining Pieces**

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings		
Body	<u>N99189-31-0002</u>	<u>ASME SA216 GR. WCB</u>
Bonnet	<u>N99192-31-0002</u>	<u>ASME SA216 GR. WCB</u>
b. Bar Stock & Forgings		
Nozzle	<u>N99190-31-0002</u>	<u>ASME SA479 TYPE 316</u>
Disc	<u>N99191-31-0002</u>	<u>ASME SA479 TYPE 316</u>
	<u>N96660-34-0027</u>	
Spring Washers	<u>N96660-34-0028</u>	<u>ASME SA193 GR.B6</u>
Adjusting Bolt	<u>N97383-32-0005</u>	<u>ASME SA193 GR.B6</u>
Spindle	<u>N97381-33-0005</u>	<u>ASME SA193 GR.B6</u>
c. Spring	<u>NX5969-0001</u>	<u>ASTM A229 CL.1</u>
d. Bolting	<u>--</u>	<u>--</u>
e. Other Pieces		
f. Bonnet Stud	<u>N95992 (qty 4)</u>	<u>ASME SA193 GR. B7</u>
g. Bonnet Nut	<u>N95987 (qty 4)</u>	<u>ASME SA194 GR. 2H</u>



**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1 1977 Edition.

Addenda Summer 1977, Code Case No. - (Date)

Class 2

Date 12 DEC 2003 Signed Anderson Greenwood Crosby  
Wrentham, MA  
(N Certificate Holder)

by J. L. O'Connell

Our ASME Certificate of Authorization No. N-1878 to use the NV symbol expires Sep. 30, 2004  
(Date)

**CERTIFICATE OF DESIGN**

Design information on file at Anderson Greenwood Crosby - Wrentham, MA

Stress analysis report (Class 1 only) on file at \_\_\_\_\_

Design specifications certified by <sup>1</sup> R.C. Heider

PE State IL Reg. No. 62-28860

Stress report certified by <sup>1</sup> Charles Dowd

PE State MA Reg. No. 39109

<sup>1</sup> Signature not required - list name only.

**CERTIFICATE OF SHOP 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 Texas and employed by ABS Group Inc. of Houston, Texas have inspected the pump, or valve, described in this Data Report on Dec. 16, 2003 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 12/16, 20 03

Signed

Rickey C. Bryan  
(Inspector)

Commissions

TX 867  
(Nat'l. Bd., State, Prov. and No.)

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd., Warrenville, IL 60555  
Address

Data Report No. RF-19-009  
Date: 9/19/2019  
Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd., Clinton, IL 61727  
Address

Unit: 1

NWS PO 613282

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd., Clinton, IL 61727  
Address

Type Code Symbol Stamp: None  
 Authorization No: Not Applicable  
 Expiration Date: Not Applicable

4. Identification of System: NA Code Class 1

5(a) Applicable Construction Code	Pipe:	N/A Edition	N/A Addenda	N/A Code Case
	Component:	1974 Edition	S76 Addenda	N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Ad.

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160536	41	SPARE SRV	1978	Repaired	Yes

7. Description: Performed machining on the outlet flange surface. Liquid Penetrant (PT) performed after machining.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Pressure Test will be performed upon installation.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Repaired conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banji Engineer  
Owner or Owner's Designee, Title

Date 9-19-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 7/30/19 to 9/19/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
 Inspector's Signature

Commissions

NB #10989 C, I, N, R I #1721  
 National Board, State, Province, and Endorsements

Date 20 Sept, 2019



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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Pressure Test will be performed upon installation.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Repair conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NIA

Certificate of Authorization No. NIA

Signed Mirza Barp  
Owner or Owner's Designee, Title

Date 9-19-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 7/30/19 to 9/20/2019, 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. Barp  
 Inspector's Signature

Commissions

NB#10989 C,I,N,R IC#1721  
 National Board, State, Province, and Endorsements

Date 20 SEPT., 2019

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

1. Owner: Exelon Corporation  
 Name  
4300 Winfield Rd.; Warrenville, IL 60555  
 Address

Data Report No. RF-19-011

Date: 9/20/2019

Sheet 1 of 1

2. Plant: Clinton Power Station  
 Name  
8401 Power Rd., Clinton, IL 61727  
 Address

Unit: 1

NWS PO 613282

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

3. Work Performed by: Clinton Power Station  
 Name  
8401 Power Rd., Clinton, IL 61727  
 Address

Type Code Symbol Stamp: None

Authorization No: Not Applicable

Expiration Date: Not Applicable

4. Identification of System: NA

Code Class 1

5(a) Applicable Construction Code Pipe: N/A Edition N/A Addenda N/A Code Case  
 Component: 1974 Edition S76 Addenda NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed, No Ad.

(c) Section XI code Cases used N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160791	57	SPARE SRV	1978	Repaired	Yes

7. Description: Performed machining on the outlet flange surface. Liquid Penetrant (PT) performed after machining.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Pressure Test will be performed upon installation.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Repaired conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp NIA

Certificate of Authorization No. NIA

Signed Mirza Bamp Engineer  
Owner or Owner's Designee Title

Date 9-20-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 7/30/19 to 9/20/2019, 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. Bamp  
 Inspector's Signature

Commissions

NB#10989 C, I, N, R IC#1721

National Board, State, Province, and Endorsements

Date

9/20, 2019

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd.; Warrenville, IL 60555  
Address

Data Report No. RF-19-012

Date: 9/20/2019

Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd.; Clinton, IL 61727  
Address

Unit: 1

NWS PO 613282

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd.; Clinton, IL 61727  
Address

Type Code-Symbol Stamp: None

Authorization No: Not Applicable

Expiration Date: Not Applicable

#### 4. Identification of System: NA

Code Class 1

5(a) Applicable Construction Code	Pipe:	N/A Edition	N/A Addenda	N/A Code Case
	Component:	1974 Edition	S76 Addenda	NONE Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed.; No Ad.

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160782	47	SPARE SRV	1978	Repaired	Yes

7. Description: Installed a Helicoil in MS Safety Relief Valve S/N 160782.

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



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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

This Helicoil was provided to NWS by Clinton Power Station. FDDR # LH1-5839 Rev.0 provides justification for drilling and tapping dimensions are technically acceptable with no impact to the structural, functional reliability or integrity of the SRV. Helicoil was purchased by Illinois Power under PO # 519419.

See Clinton Drawing # VPF 5529-001 R/7.

Pressure Test will be performed upon installation.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Repaired conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Ramon Cruz  
Owner or Owner's Designee, Title

Date 09/20, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 4/12/2017 to 9/20/2019, 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. Cruz  
Inspector's Signature

Commissions

NB#10989 SJNR IC#1721  
National Board, State, Province, and Endorsements

Date 20 SEPT, 2019



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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

SRVL: Cat ID - 1100041; UTC # - 2567645

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baig Engineer  
Owner or Owner's Designee, Title

Date 10-19-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/28/19 to 10/19/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
 Inspector's Signature

Commissions NB#10989 C, I, N, R IL#1721  
National Board, State, Province, and Endorsements

Date 10/22, 2019

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

SRV: Cat ID - 1100041; UTC# - 2567647

Discharge Studs 2 Each: Cat ID - 1145888; UTC# - 2800087

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banj Engineer  
Owner or Owner's Designee, Title

Date 10-19-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/29/19 to 10/19/2019, 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. Banj  
 Inspector's Signature

Commissions

NB#10989 C, I, N, R IC#1721

National Board, State, Province, and Endorsements

Date 10/22, 2019

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd, Warrenville, IL 60555  
Address

Data Report No. RF-19-015  
Date: 10/19/2019  
Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Unit: 1

4796814-01

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code Symbol Stamp: N/A  
 Authorization No: Not Applicable  
 Expiration Date: Not Applicable

4. Identification of System: NGE02 Code Class 1

5(a) Applicable Construction Code	Pipe:	1974 Edition	S74 Addenda		Code Case
	Component:	1974 Edition	S76 Addenda	NONE	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Ad.

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	DIKKERS	160782	47	1B21F047A	1978	Replaced	Yes

7. Description: Replaced SRV 1B21F047A.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

SRV: Cat ID - 1100042; UTC# - 2567637

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Barif Engineer  
Owner or Owner's Designee, Title

Date 10-19-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/28/19 to 10/19/2019, 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. Barif  
Inspector's Signature

Commissions

NB#10989 C, I, N, R IL#1721  
National Board, State, Province, and Endorsements

Date 10/22, 2019

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: N/A °F



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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

SRV: Cat ID - 1100042; UTC# - 2567638

Discharge Side Studs: Cat ID - 1145888; UTC # - 2800087

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banp Engineer

Date 11-16, 2019

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/28/19 to 11/25/2019, 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  
 Date 25 Nov., 2019

Commissions

NB#10789 C, I, N, R I#1721  
 National Board, State, Province, and Endorsements

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

SRV: Cat ID - 1100043; UTC# - 2558178

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp NIA

Certificate of Authorization No. NIA

Signed Mirza Barip Engineer  
Owner or Owner's Designee, Title

Date 10-19-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/31/19 to 10/19/2019, 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. Barip  
 Inspector's Signature

Commissions NO#10989 C, I, N, R IL#1721  
National Board, State, Province, and Endorsements

Date 10/22, 2019



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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

SRV: Cat ID - 1100043; UTC# - 2567658

Studs on Dischrge Side: Cat ID - 1145888; UTC # - 3104435

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banp Engineer  
Owner or Owner's Designee, Title

Date 11-16-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/30/19 to 11/16/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
 Inspector's Signature

Commissions

NB#10989 C, I, N, R IL#1721  
 National Board, State, Province, and Endorsements

Date 19 Nov., 2019

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

1. Owner: Exelon Corporation  
 Name  
4300 Winfield Rd, Warrenville, IL 60555  
 Address

Data Report No. RF-19-022

Date: 10/29/2019Sheet 1 of 1

2. Plant: Clinton Power Station  
 Name  
8401 Power Rd, Clinton, IL 61727  
 Address

Unit: 14771456-01

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

3. Work Performed by: Clinton Power Station  
 Name  
8401 Power Rd, Clinton, IL 61727  
 Address

Type Code Symbol Stamp: N/AAuthorization No: Not ApplicableExpiration Date: Not Applicable4. Identification of System: NRH01Code Class 2

5(a) Applicable Construction Code Pipe: 1974 Edition S74 Addenda N/A Code Case  
 Component: 1977 Edition S77 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Ad.(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	Crosby	N99652-00-0003	N/A	1E12F036	2019	Replaced	Yes

7. Description: Replaced Relief Valve 1E12F036.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Exempt ☐ Pressure: 57 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Relief Valve: Cat ID - 1389487; UTC # - 4447097

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banji Engineer  
Owner or Owner's Designee, Title

Date 10-29, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 2/4/19 to 10/29/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
 Inspector's Signature

Commissions

NB#10989 C, I, N, R IL#1721  
 National Board, State, Province, and Endorsements

Date 29 Oct, 2019

RCVO 8/19/19 UTC 4447097

Q.C. 44D-1A  
Sheet 1 of 2

**FORM NV-1, N CERTIFICATE HOLDERS' DATA REPORT FOR SAFETY AND SAFETY RELIEF VALVES**  
As required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured by Crosby Valve, LLC, 55 Cabot Blvd., Mansfield, MA 02048  
(Name and Address of N Certificate Holder)  
Crosby Factory Order No. G723970000 Customer Order No. 00662316

2. Manufactured for EXELON BUSINESS SERVICE CO.  
(Name and Address of Purchaser or Owner)

3. Location of Installation CLINTON NUCLEAR STA. - CLINTON, IL  
(Name and Address)

4. N/A DS-C99652 REV. C 2019  
(CRN) (Drawing No.) (Nat'l. Brd. No.) (Year Built)

5. Valve ILT-JOS-35 TYPE J Identifying Nos. N99652-00-0003  
(Model No., Series No.) (N Certificate Holder's Serial No.)  
Type SAFETY RELIEF (SPRING) Valve I.D./Tag No. SPARE  
Safety, Safety Relief, Pilot, Power Actuated)  
Orifice Size 4 L 6 Nominal Inlet Size 4 Outlet Size 6  
inch inch inch  
6. Set Pressure (psig) 68 140 ° F  
Rated Relieving Temperature  
Stamped Capacity 158 GPM WATER @ 70°F @ 10 % Overpressure Blowdown (psig) 10%  
Hydrostatic Test (psig) Inlet 1125 Outlet 100

(Applicable to Valves for Closed Systems Only)

**Pressure Retaining Pieces**

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings		
Body	<u>N99172-32-0003</u>	<u>ASME SA216 GR. WCB</u>
Bonnet	<u>N99339-32-0003</u>	<u>ASME SA216 GR. WCB</u>
b. Bar Stock & Forgings		
Nozzle	<u>N99337-32-0003</u>	<u>ASME SA479 TYPE 316</u>
Disc Insert	<u>N99338-32-0003</u>	<u>ASME SA479 TYPE 316</u>
Spring Washers	<u>N97627-37-0024</u>	<u>ASME SA193 GR. B6</u>
Adjusting Bolt	<u>N97627-37-0023</u>	<u>ASME SA193 GR. B6</u>
Spindle Pt.	<u>N97629-43-0018</u>	<u>ASME SA193 GR. B6</u>
c. Spring	<u>N98826-38-0009</u>	<u>ASME SA193 GR. B6</u>
d. Bolting	<u>NX17057-0003</u>	<u>ASTM A229 CL. 1</u>
e. Other Pieces		
Bonnet Stud (Qty. 6)	<u>N95990-Q661-A</u>	<u>ASME SA193 GR. B7</u>
Bonnet Stud Nut (Qty. 6)	<u>N95987-42AU</u>	<u>ASME SA194 GR. 2H</u>



**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1 1977 Edition.

Addenda SUMMER 1977, Code Case No. N/A  
(Date)

Class 2

Date 17 May 2019 Signed Crosby Valve, LLC  
Mansfield, MA by [Signature]  
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1878 to use the NV symbol expires 20-Sep-19  
(Date)

**CERTIFICATE OF DESIGN**

Design information on file at Crosby Valve, LLC - Mansfield, MA

Stress analysis report (Class 1 only) on file at \_\_\_\_\_

Design specifications certified by R.C. HEIDER

PE State IL Reg. No. 62-28860

Stress report certified by N/A

PE State N/A Reg. No. N/A

<sup>1</sup> Signature not required - list name only.

**CERTIFICATE OF SHOP 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 MA and employed by The Hartford Steam Boiler Inspection and Insurance Company

of Hartford, CT have inspected the pump, or valve, described in this Data Report on

5-16, 2019 and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date May 17, 2019

Signed [Signature]  
(Inspector)

Commissions NB 7883, A, B, N, C, R, IA, IS, MA-142  
(Nat'l. Bd., State, Prov. and No.)

## FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS

As Required by the Provisions of the ASME Code Section XI

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd, Warrenville, IL 60555  
Address

Data Report No. RF-19-025  
Date: 11/1/2019  
Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Unit: 1

1836842-02 thru 18

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code Symbol Stamp: None  
 Authorization No: Not Applicable  
 Expiration Date: Not Applicable

4. Identification of System: NGE01 Code Class 1

5(a) Applicable Construction Code	Pipe:	N/A Edition	N/A Addenda	N/A Code Case
	Component:	71 Edition	S73 Addenda	N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Ad.

(c) Section XI code Cases used: N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
T	CB&I	Various	Various	1B13D008	1978	Replacement	Yes

7. Description: Replaced Seventeen (17) CRDMs during C1R19.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Replaced Seventeen (17) Control Rod Drive Mechanisms (CRDMs) during C1R19.  
 Code Cases for Construction Code - 1141, 1332, 1361-2, 1557-1, and N-207  
 See Continuation Sheet for Material Procurement Data.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Bang Engineer  
Owner or Owner's Designee, Title

Date 11-1-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 6/17/19 to 11/1/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
 Inspector's Signature

Commissions

NB#10989 C, I, N, R IC#1721  
 National Board, State, Province, and Endorsements

Date 12 Nov, 2019

Work Order 1836842 Tasks 02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, and 18.

CRDM Replacement Task/Location	CRDM Replacement Serial Number & UTC; Associated Bolting Cat ID & UTC
Task 02 / 28-33	A4164 & UTC 2558543; Cat ID-1147766 & UTC 4370354
Task 03 / 04-17	SE1530 & UTC 4459184; Cat ID-1147766 & UTC 4370354
Task 04 / 08-33	7114 & UTC 2744487; Cat ID-1147766 & UTC 4370354
Task 05 / 24-41	A3349 & UTC 2744558; Cat ID-1147766 & UTC 4370354
Task 06 / 36-13	A2626 & UTC 2638514; Cat ID-1147766 & UTC 4370354
Task 07 / 36-21	8671 & UTC 2744580; Cat ID-1147766 & UTC 4370354
Task 08 / 36-33	8974 & UTC 2744482; Cat ID-1147766 & UTC 4370354
Task 09 / 08-13	A4798 & UTC 2744470; Cat ID-1147766 & UTC 4370354
Task 10 / 12-29	A3225 & UTC 2744570; Cat ID-1147766 & UTC 4370354
Task 11 / 12-17	A3216 & UTC 2558542; Cat ID-1147766 & UTC 4370354
Task 12 / 16-53	8146 & UTC 2744579; Cat ID-1147766 & UTC 4370354
Task 13 / 36-17	9412 & UTC 2744539; Cat ID-1147766 & UTC 4370354
Task 14 / 40-05	A3351 & UTC 2744519; Cat ID-1147766 & UTC 4370354
Task 15 / 04-25	A2520 & UTC 2744491; Cat ID-1147766 & UTC 4370354
Task 16 / 20-17	SE1529 & UTC 4459183; Cat ID-1147766 & UTC 4370354
Task 17 / 36-53	A2524 & UTC 2744489; Cat ID-1147766 & UTC 4370354
Task 18 / 52-25	A2600 & UTC 2744466; Cat ID-1147766 & UTC 4370354

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 300 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Relief Valve: Cat ID - 1389494; UTC # - 2688767

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banj Engineer  
Owner or Owner's Designee, Title

Date 11-12-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/14/19 to 11/12/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions NB#10989 SENIOR IC#172  
Inspector's Signature National Board, State, Province, and Endorsements

Date 12 Nov, 2019

RCVD  
2/14/04

PO 58652  
CAT IO 1389494-1  
UTC 2688767

Q.C.-44D-1A  
Sheet 1 of 2

**FORM NV-1, N CERTIFICATE HOLDERS' DATA REPORT FOR SAFETY AND SAFETY RELIEF VALVES**

As required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093  
(Name and Address of N Certificate Holder)  
Crosby Factory Order No. U696950000 Customer Order No. 00058652 R001

2. Manufactured for EXELON GENERATION  
(Name and Address of Purchaser or Owner)

3. Location of Installation CLINTON NUCLEAR STATION  
(Name and Address)

4. N/A DS-C-99661 REV. D -- 2004  
(CRN) (Drawing No.) (Nat'l. Brd. No.) (Year Built)

5. Valve 9721852A Identifying Nos. N99661-00-0002  
(Model No., Series No.) (N Certificate Holder's Serial No.)  
Type SAFETY RELIEF Valve I.D./Tag No. 1E21 F018  
(Safety, Safety Relief; Pilot; Power Actuated)

Orifice Size 0.529 Nominal Inlet Size 1.5 Outlet Size 2  
inch inch inch

6. Set Pressure (psig) 554 500 ° F  
Rated Relieving Temperature  
Stamped Capacity 136 GPM Water@ 70° .F @ 10° % Overpressure -- Blowdown (psig) <20% of S.P.

Hydrostatic Test (psig) Inlet 1080 Outlet 100  
(Applicable to Valves for Closed Systems Only)

**Pressure Retaining Pieces**

	Serial No. Identification	Material Specification Including Type or Grade
a. Castings		
Body		
Bonnet		
b. Bar Stock & Forgings		
Nozzle		
Disc	<u>N99333-NEZQ</u>	<u>ASME SA479 TYPE 316</u>
	<u>N96444-63-0376</u>	
Spring Washers	<u>N96444-63-0372</u>	<u>ASME SA193 GR.B6</u>
Adjusting Bolt	<u>N96388-63-0242</u>	<u>ASME SA193 GR.B6</u>
Spindle	<u>N96386-61-0192</u>	<u>ASME SA193 GR.B6</u>
c. Spring	<u>NX5975-0002</u>	<u>ASTM A313 TYPE 316</u>
d. Bolting		
e. Other Pieces		
f. Cylinder	<u>N99329-31-0002</u>	<u>ASME SA105</u>
g. Lap Joint Stub End	<u>N99330-31-0008</u>	<u>ASME SA105</u>
h. Lap Joint Flange	<u>N99332-32-0004</u>	<u>ASME SA105</u>
Base	<u>N99227-32-0003</u>	<u>ASME SA479 TYPE 316</u>
i. Lap Joint Stub End	<u>N99325-32-0009</u>	<u>ASME SA182 GR.F316</u>
j. Lap Joint Flange	<u>N99375-31-0001</u>	<u>ASME SA105</u>

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in this report are correct and that this valve conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1 1977 Edition.  
Addenda Summer 1977, Code Case No. -- (Date)

Class 2

Date 6 FEB 2004 Signed Anderson Greenwood Crosby by [Signature]  
Wrentham, MA  
(N Certificate Holder)

Our ASME Certificate of Authorization No. N-1878 to use the NV symbol expires Sep. 30, 2004  
(Date)

**CERTIFICATE OF DESIGN**

Design information on file at Anderson Greenwood Crosby - Wrentham, MA

Stress analysis report (Class 1 only) on file at \_\_\_\_\_

Design specifications certified by R.C. HEIDER

PE State IL Reg. No. 62-28860

Stress report certified by \_\_\_\_\_

PE State \_\_\_\_\_ Reg. No. \_\_\_\_\_

<sup>1</sup> Signature not required - list name only.

**CERTIFICATE OF SHOP 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 MASS and employed by ABS Group Inc.  
of Houston, Texas have inspected the pump, or valve, described in this Data Report on  
2-4-04 and state that to the best of my knowledge and belief, the N Certificate Holder  
has constructed this pump, or valve, in accordance with the ASME Code for Nuclear Power Plant Components.

By signing this certificate, neither the Inspector nor his employer makes any warrant, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date Feb 6<sup>th</sup> 2004

Signed [Signature]  
(Inspector)

Commissions MA-1420-N  
(Nat'l. Bd., State, Prov. and No.)



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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Plug Assembly: Cat ID - 11800719; UTC # - 4136773

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NIA

Certificate of Authorization No. NIA

Signed Mirza Banif Engineer  
Owner or Owner's Designee, Title

Date 11-16-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 10/3/19 to 11/19/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]

Commissions

NB #10989 C, I, N, R IL #1721

National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 19 Nov, 2019

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

1 3/8" Threaded Rod, 3 Each - Cat ID - 1716291 ; UTC # - 3122936  
 1 3/8" Nuts, 6 Each - Cat ID - 1394991; UTC # - 4386137  
 1 1/8" Bolt, Studs, 8 Each - Cat ID - 1151780; UTC # - 2107322  
 1 1/8" Nuts 16 Each - Cat ID - 1152053; UTC # - 2113361

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Ban Engineer

Date 12-4-, 2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 10/16/18 to 12/4/2019, 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

Date 11 Dec., 2019

Commissions

NB #10989 C, IN, R IC #1721  
 National Board, State, Province, and Endorsements



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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Cat ID - 1148279; UTC # - 4441298

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baip  
 Owner or Owner's Designee. Title

Date 12-5-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/8/19 to 12/5/2019, 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  
 Date 05 Dec, 2019

Commissions

NB #10989C, IN, R I #1721  
 National Board, State, Province, and Endorsements

**FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL  
 NUCLEAR PARTS AND APPURTENANCES\***  
 As Required by the Provisions of the ASME Code, Section III  
 Not to Exceed One Day's Production

Pg. 1 of 2

1. Manufactured and certified by Mirion Technologies (Conax Nuclear), Inc. 402 Sonwil Drive, Cheektowaga, NY 14225  
 (name and address of NPT Certificate Holder)
2. Manufactured for GE Nuclear Energy, 3901 Castle Hayne Road, Wilmington, NC 28401  
 (name and address of Purchaser)
3. Location of installation Unknown  
 (name and address)
4. Type: N20000, Rev. H SA479/304SST 75 KSI N/A N/A 2017  
 (drawing no.) (mat'l spec. no.) (tensile strength) (CRN) (year built)
5. ASME Code, Section III, Division 1: 1977 Summer 1977 1 N/A  
 (edition) (addenda date) (class) (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) Revision Date  
 (no.)
7. Remarks: Trigger Body Subassembly for explosive actuated valve replacement kit for Stand-by Liquid Control System  
Para. NB-2121 (b) is applicable to ram. Press fit/seal on .328 & .4375 diameters. Overall subassembly length is 2.5".  
Pressure Test at 2800 psi for 10 minutes.
8. Nom. thickness (in.) See remarks Min. design thickness (in.) See remarks Dia. ID (ft & in.) See remarks Length overall (ft & in.) See remarks
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	9252	9252
(2)	9253	9253
(3)	9254	9254
(4)	9255	9255
(5)	9256	9256
(6)	9257	9257
(7)	9258	9258
(8)	9259	9259
(9)	9260	9260
(10)	9261	9261
(11)	9262	9262
(12)	9263	9263
(13)	9264	9264
(14)	9265	9265
(15)	9266	9266
(16)	9267	9267
(17)	9268	9268
(18)	9269	9269
(19)	9270	9270
(20)	9271	9271
(21)	9272	9272
(22)	9273	9273
(23)	9274	9274
(24)	9275	9275
(25)	9276	9276

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1500 psi. Temp. 150 °F. Hydro. test pressure \* See Remarks at temp. °F  
 (when applicable)

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

Certificate Holder's Serial Nos. 9252 through 9276

## CERTIFICATION OF DESIGN

Design specifications certified by George I. Skoda P.E. State CA Reg. no. 15847  
(when applicable)

Design report\* certified by Michael A. Francioli P.E. State NY Reg. no. 078450-1  
(when applicable)

## CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Trigger Body Subassembly  
conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1850 Expires September 3, 2019

Date 3/15/17 Name Mirion Technologies (Conax Nuclear), Inc. Signed [Signature]  
(NPT Certificate Holder) (authorized representative)

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of  
New York and employed by The Hartford Steam Boiler Inspection and Insurance Company

of Hartford, CT have inspected these items described in this Data Report on 15 MARCH 2017, and state that to the  
best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code,  
Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.  
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment  
described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or  
property damage or loss of any kind arising from or connected with this inspection.

Date 03-24-2017 Signed [Signature] Commissions NB 10964AN NY 5057  
(Authorized Inspector) [Nat'l Bd. (incl. endorsements) and state or prov. and no.]



8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 89 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Code Cases for Valves 1E12F018B and 1E12F046B - 1516.1, 1567, 1622, 1635.1, 1677.

Receiving Info:

Gate Valve: Cat ID - 1785226; UTC # - 4446379

Pipe 4": Cat ID - 1153170; UTC # - 4407584

Check Valve: Cat ID - 1785225; UTC # - 4453655

Sockolet: Cat ID - 1417355; UTC # - 4370793

Pipe 3/4": Cat ID - 1153240; UTC # - 4350994

Elbow 3/4": Cat ID - 1152966; UTC # - 4349370

Globe Valve 3/4": Cat ID - 1144855; UTC # - 4399281

Globe Valve 3/4": Cat ID - 1144855; UTC # - 4399280

Flange, weld neck: Cat ID - 1152788; UTC # - 4456157

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banj Engineer

Date 12-10-, 2019

Owner or Owner's Designee Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 2/19/19 to 12/10/2019, 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.

Michael O'Leary

Commissions NB#10989 C, I, N, R IC#1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 16 Dec, 2019

As Required by the Provisions of the ASME Code, Section III, Division 1

Rev'd 9/9/19 UTC 4453655

- | (a)<br>Certificate<br>Holder's<br>Serial No. | (b)<br>National<br>Board<br>No. | (c)<br>Body/Casing<br>Serial<br>No. | (d)<br>Bonnet/Cover<br>Serial<br>No. | (e)<br>Disk<br>Serial<br>No. |
|--|---------------------------------|-------------------------------------|--------------------------------------|------------------------------|
|--|---------------------------------|-------------------------------------|--------------------------------------|------------------------------|

[illegible]

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

## FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. BW930

8. Design conditions 500 PSIG 358 F or valve pressure class 300  
(pressure) (temperature)
9. Cold working pressure 720 psig
10. Hydrostatic test 1125 PSIG . Disk differential test pressure 750 PSIG
11. Remarks THE SPECIFIED REQUIREMENTS IN THE DESIGN SPECIFICATIONS HAVE BEEN MET.

\*BONNET STUDS, SA193-B7, HT. CODE BDO; BONNET NUTS, SA194-2H, HT. CODE 869SO 123827-001

## CERTIFICATION OF DESIGN

Design Specification certified by R.C. HEIDER P.E. State IL Reg. no. 62-28860  
Design Report certified by N/A P.E. State N/A Reg. no. N/A

## CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-1562 Expires November 26, 2018

Date 11-01-2018 Name FLOWERVE CORPORATION Signed Tammy Naegle  
(N Certificate Holder) (authorized representative)

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by  
THE HARTFORD STEAM BOILER INSPECTION AND INSURANCE COMPANY

of HARTFORD, CT  
have inspected the pump, or valve, described in this Data Report on  
11/1/18, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve,  
in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 11/1/18 Signed MDG Claw Commission 13617 BNA  
(Authorized Nuclear Inspector) (National Board Number and Endorsement)

As Required by the Provisions of the ASME Code, Section III, Division 1

As Required by the Provisions of the ASME

- [illegible]

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

Certificate Holder's Serial No. BW984

8. Design conditions 500 psig 358°F or valve pressure class 300  
(pressure) (temperature)
9. Cold working pressure 720 psig
10. Hydrostatic test 1125 psig . Disk differential test pressure 750 psig
11. Remarks S.O. 123827-004

STUD- MATERIAL SA193 B7 TRACE CODE: BDL/1-8

NUT- MATERIAL SA194 2H TRACE CODE: 869/17-24

\*The specified requirements in the Design Specifications have been met.

## CERTIFICATION OF DESIGN

Design Specification certified by R.C. Heider P.E. State IL Reg. no. 62-28860  
 Design Report certified by N/A P.E. State N/A Reg. no. N/A

## CERTIFICATE OF COMPLIANCE

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

N Certificate of Authorization No. N-1562 Expires November 26, 2021

Date 3/26/19 Name FLOWERVE CORPORATION Signed David Brodie  
(N Certificate Holder) (authorized representative)

## CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and employed by The Hartford Steam Boiler Inspection and Insurance Company

of Hartford, Connecticut have inspected the pump, or valve, described in this Data Report on 3/26/19, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

By signing this certificate neither the inspector nor his employer makes any warranty, expressed or implied, concerning the component described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date 3/26/19 Signed [Signature] Commission 15874 N.R.  
(Authorized Nuclear Inspector) [National Board Number and Endorsement]

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd, Warrenville, IL 60555  
Address

Data Report No. RF-19-039  
Date: 12/11/2019  
Sheet 1 of 1

2. Plant: Clinton Power Station  
8401 Power Rd, Clinton, IL 61727  
 Name  
 Address

Unit: 1

1347631-01/05

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code Symbol Stamp: N/A  
 Authorization No: N/A  
 Expiration Date: N/A

4. Identification of System: NGE02 Code Class 1

5(a) Applicable Construction Code	Pipe:	1974 Edition	S74 Addenda	N/A	Code Case
	Component:	1974 Edition	None	1622	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	ATWOOD MORRILL	6-562	NA	1B21F028B	1976	Replacement	Yes

7. Description: Replaced Poppet in Main Steam Isolation Valve 1B21F028B.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Cat ID - 1145575; UTC #- 2883797

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banip Engineer

Date 12-11-, 2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 3/14/17 to 12/11/2019, 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 [Signature]  
 Date 12 Dec, 20 19

Commissions

NB #10989 C, I, N, R IL #1721  
 National Board, State, Province, and Endorsements



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

1. Owner: Exelon Corporation  
 Name  
4300 Winfield Rd, Warrenville, IL 60555  
 Address

Data Report No. RF-19-040  
 Date: 12/11/2019  
 Sheet 1 of 1

2. Plant: Clinton Power Station  
 Name  
8401 Power Rd, Clinton, IL 61727  
 Address

Unit: 1  
1516326-01/05  
 Repair Organization P.O. No., Job No.

3. Work Performed by: Clinton Power Station  
 Name  
8401 Power Rd, Clinton, IL 61727  
 Address

Type Code Symbol Stamp: N/A  
 Authorization No: N/A  
 Expiration Date: N/A

4. Identification of System: NGE02 Code Class 1

5(a) Applicable Construction Code Pipe: 1974 Edition S74 Addenda N/A Code Case  
 Component: 1974 Edition None Addenda 1622 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
V	ATWOOD & MORRILL	7-562	N/A	1B21F028C	1976	Replacement	Yes

7. Description: Replaced Poppet in Main Steam Isolation Valve 1B21F028C.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Cat ID - 1109589; UTC # - 3127276

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

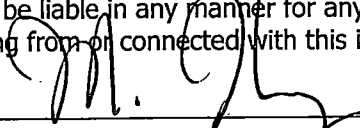
Signed Mirza Ban Engineer

Date 12-11-2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 3/14/19 to 12/11/2019, 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 #10989 C, I, N, R IL #1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 12 Dec, 2019



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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Cat ID - 1145575; UTC # - 3126567

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Harza Bani Engineer  
 Owner or Owner's Designee. Title

Date 12-12-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 2/2/17 to 12/12/2019, 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  
 Date 12 Dec., 2019

Commissions

NB 10989 C, I, N, R IL # 1721  
 National Board, State, Province, and Endorsements

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Exempt ☐ Pressure: 1027 psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Refurbished Valve Seat by removing stellite, and small amount of base material; weld deposit base material and stellite to address seat leakage. Also removed/reduced to acceptable level 2 indications.

Receiving Information:

Poppett: Cat ID - 1145575; UTC # - 2883797

Bolt: Cat ID - 1145254 ; UTC # - 2101940

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Repair/Replacement conform to the rules of the ASME Code, Section XI.

repair or replacement

Type Code Symbol Stamp NIA

Certificate of Authorization No. NIA

Signed Mirza Bani Engineer

Date 1-11-, 2020

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 2/1/2017 to 1/11/2020 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#10989 C, I, N, R. I, U 1721

National Board, State, Province, and Endorsements

Inspector's Signature

Date 14 January, 2020

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

1. Owner: Exelon Corporation  
 Name  
4300 Winfield Rd, Warrenville, 60555  
 Address

Data Report No. RF-19-044

Date: 12/14/2019

Sheet 1 of 1

2. Plant: Clinton Power Station  
 Name  
8401 Power Rd, Clinton, IL 61727  
 Address

Unit: 1

4787401-01

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

3. Work Performed by: Clinton Power Station  
 Name  
8401 Power Rd, Clinton, IL 61727  
 Address

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

4. Identification of System: NRI01 Code Class 2

5(a) Applicable Construction Code Pipe: 1974 Edition Summ 74 Addenda N/A Code Case  
 Component: 1974 Edition Summ 74 Addenda N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
Disk	BS&B SAFETY	81001839-2	NA	1E51D001	1984	Replacement	Yes

7. Description: Replaced Rupture Disk.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☒ Nominal Operating Pressure ☐  
 Other ☐ Exempt ☐ Pressure: psi Test Temp: N/A °F

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Cat ID - 179922; UTC # - 4458851

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NIA

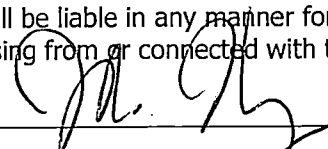
Certificate of Authorization No. NIA

Signed Mirza Barf Engineer  
 Owner or Owner's Designee. Title

Date 12-14-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/16/19 to 12/14/2019, 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#10789 CI, NR IL#1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 18 Dec., 2019





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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Info:

Cat ID - 179922; UTC # - 4458851

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI.

repair or replacement

Type Code Symbol Stamp NIA

Certificate of Authorization No. NIA

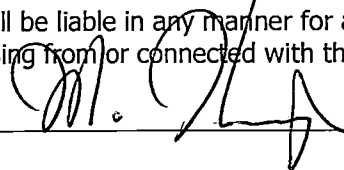
Signed Mirza B. Engineer

Date 12-14-, 2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 1/8/19 to 12/14/2019, 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#10989C, IN, R IL#1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 18 Dec., 2019

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd, Warrenville, IL 60555  
Address

Data Report No. RF-19-046  
Date: 12/18/2019  
Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Unit: 1  
4726925-05,10  
 Repair Organization P.O. No., Job No. \_\_\_\_\_

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code Symbol Stamp: N/A  
 Authorization No: N/A  
 Expiration Date: N/A

4. Identification of System: NGE02 Code Class 1

5(a) Applicable Construction Code	Pipe:	1974 Edition	Summ 74 Addenda	N/A	Code Case
	Component:	1974 Edition	Summ 74 Addenda	See Note 1	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	ILLINOIS POWER	PIPING SYSTEM	N/A	NGE02	1986	Replacement	Yes

7. Description: Replaced two (2) hydraulic snubbers 1S102C and 1S102D to facilitate testing.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Note 1: Code Cases utilized - 1644-8, 1682-1, 1706, and N-242.

Receiving Info:

1S102C: S/N Installed 010E70; this snubber came from its previous location 1S369B.

1S102D: S/N Installed 013E50; this snubber came from its previous location 1S105A.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Baq Engineer  
 Owner or Owner's Designee. Title

Date 12-18-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 9/17/2019 to 12/18/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions NB #10989 C, I, N, R IC #1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 18 DEC, 2019

Sheet 1 of 1

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

Expiration Date: N/A

4. Identification of System: NGE01 Code Class 1.

5(a) Applicable Construction Code	Pipe:	1974 Edition	Summ 74 Addenda	N/A	Code Case
	Component:	1974 Edition	Summ 74 Addenda	See Note 1	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	ILLINOIS POWER	PIPING SYSTEM	NA	NGE01	1986	Replacement	Yes

7. Description: Replaced three (3) hydraulic snubbers, 1S372B, 1S373A, and 1S373B to facilitate testing.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Note 1: Code Cases utilized - 1644-8, 1682-1, 1706, and N-242.

Receiving Information:

1S372B: S/N Installed 014E70; this snubber came from its previous location 1S371B.

1S373A: S/N Installed 020E70; this snubber came from its previous location 1S375B.

1S373B: S/N Installed 016E70; this snubber came from its previous location 1S374B.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Banip Engineer

Date 12-18-, 2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 9/17/2019 to 12/18/2019, 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

Date 18 Dec, 2019

Commissions

NB #10989 C, I, N, R IC #1721  
 National Board, State, Province, and Endorsements

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd, Warrenville, IL 60555  
Address

Data Report No. RF-19-048  
Date: 12/19/2019  
Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Unit: 1

4726928-31, 32, 35, 38

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code Symbol Stamp: N/A  
 Authorization No: N/A  
 Expiration Date: N/A

4. Identification of System: NRH08 Code Class 2

5(a) Applicable Construction Code	Pipe:	1974 Edition	Summ 74 Addenda	N/A	Code Case
	Component:	1974 Edition	Summ 74 Addenda	N/A	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	Illinois Power	PIPING SYSTEM	NA	NRH08	1985	Replacement	Yes

7. Description: Replaced four (4) Mechanical Snubbers 1RH09059S, 1RH09060S, 1RH09062S, and 1RH09065S.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Information:

1RH09059S: Cat ID - 1151215; UTC # - 4362115

1RH09060S: S/N Installed 15294; this snubber came from it's previous location 1RT12004S-SE

1RH09062S: S/N Installed 19204; this snubber came from it's previous location 1RH07114S-E

1RH09065S: S/N Installed 19167; this snubber came from it's previous location 1RH07047S-N

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirga Banj Engineer

Date 12-19-, 2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 6/14/19 to 12/19/2019, 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

Date 20 Dec, 2019

Commissions

NB#10989C, INR IC#1721  
 National Board, State, Province, and Endorsements



Type Code/Symbol Stamp: N/A  
 Authorization No: N/A  
 Expiration Date: N/A

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Information:

1MS38097S: Cat ID - 1151218; UTC # - 4446904

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Bani Engineer

Date 12-20, 2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 6/14/19 to 12/20/2019, 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

Date 28 Dec, 2019

Commissions

NB10589 C, I, N, R IL#1721

National Board, State, Province, and Endorsements

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd, Warrenville, IL 60555  
Address

Data Report No. RF-19-051

Date: 12/21/2019

Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Unit: 1

4726929-02,06,13

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code Symbol Stamp: N/A

Authorization No: N/A

Expiration Date: N/A

4. Identification of System: NFW02 Code Class 1

5(a) Applicable Construction Code	Pipe:	1974 Edition	Summ 74 Addenda	N/A	Code Case
	Component:	1974 Edition	Summ 74 Addenda	N/A	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	ILLINOIS POWER	PIPING SYSTEM	NA	NFW02	1986	Replacement	Yes

7. Description: Replaced Three (3) Mechanical Snubbers 1FW01007S, 1FW02007S, and 1FW02010S to facilitate testing.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Information:

1FW01007S: Cat ID - 27676; UTC # - 2946811

1FW02007S: Cat ID - 1151215; UTC # - 4362114

1FW02010S: Cat ID - 1151215; UTC # - 4362113

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Bani Engineer  
 Owner or Owner's Designee. Title

Date 12-21-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 5/29/19 to 12/21/2019, 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. Bani

Commissions

NB#10989 C, I, N, R IL#1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 12/23, 2019

Sheet 1 of 1

4726929-26  
Repair Organization P.O. No., Job No.

Expiration Date: N/A

4. Identification of System: NNB01 Code Class 1

5(a) Applicable Construction Code	Pipe:	1974 Edition	Summ 74 Addenda	N/A	Code Case
	Component:	1974 Edition	Summ 74 Addenda	N/A	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	ILLINOIS POWER	PIPING SYSTEM	NA	NNB01	1986	Replacement	Yes

7. Description: Replaced a Mechanical Snubber 1NB01002S to facilitate testing.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Information:

1NB01002S: Cat ID - 1151214; UTC # - 4445217

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

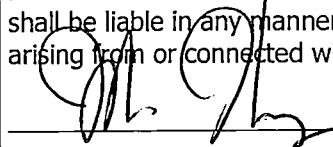
Certificate of Authorization No. N/A

Signed Mirza Barif Engineer  
 Owner or Owner's Designee. Title

Date 12-21-, 2019

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 5/23/19 to 12/21/2019, 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#10989 C, I, N, R IL#1721

National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 23 Dec, 2019

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

1. Owner: Exelon Corporation  
Name  
4300 Winfield Rd, Warrenville, IL 60555  
Address

Data Report No. RF-19-054  
Date: 12/23/2019

Sheet 1 of 1

2. Plant: Clinton Power Station  
Name  
8401 Power Rd, Clinton; IL 61727  
Address

Unit: 1

4726929-31 & 1709432-02

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

3. Work Performed by: Clinton Power Station  
Name  
8401 Power Rd, Clinton, IL 61727  
Address

Type Code/Symbol Stamp: N/A  
 Authorization No: N/A  
 Expiration Date: N/A

4. Identification of System: NRI01 Code Class 2

5(a) Applicable Construction Code	Pipe:	1974 Edition	Summ 74 Addenda	N/A	Code Case
	Component:	1974 Edition	Summ 74 Addenda	N/A	Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements ASME Sec XI 2004 Ed; No Add

(c) Section XI code Cases used N/A

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

Name of Component	Name of Manufacturer	Manufacturer Serial Number	National Board No	Other Identification	Year Built	Repaired Replaced or Replacement	ASME Code Stamped
PP	ILLINOIS POWER	PIPING SYSTEM	N/A	NRI01	1986	Replacement	Yes

7. Description: Replaced Two (2) Mechanical Snubbers 1RI01008S and 1RI02018S to facilitate testing.

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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

Receiving Information:

1RI01008S: S/N Installed 10336; this snubber came from its previous location 1VG01005S

1RI02018S: Cat ID - 1151214; UTC # - 4445216

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

Signed Mirza Bani Engineer

Date 12-23-, 2019

Owner or Owner's Designee. Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 5/29/19 to 12/23/2019, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]

Commissions

NB#10989 C, I, N, R IL#1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 23 Dec, 2019



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

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

9. Remarks (Applicable Manufacturer's Data Reports to be attached):

W/Os: 4726929-36, 37, 38, 39; 1543371-02 & 1543374-02.

Receiving Information:

1RT02072S: S/N Installed 18106; this snubber came from its previous location 1HP03006S

1RT07028S: Cat ID - 1151214; UTC # - 4372695

1RT07040S: Cat ID - 1151214; UTC # - 4445213

1RT07052S: Cat ID - 1151214; UTC # - 4372696

1RT01002S: Cat ID - 1151214; UTC # - 4445218

1RT01035S: Cat ID - 1151214; UTC # - 4445214

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this Replacement conform to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A

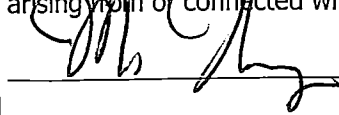
Signed Mirza Banji Engineer

Date 12-23-, 2019

Owner or Owner's Designee Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by The Hartford Steam Boiler Inspection and Insurance Co. Hartford, CT have inspected the components described in this Owner's Report during the period 5/23/19 to 12/23/2019, 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#10989 C, I, N, R IL#1721  
 National Board, State, Province, and Endorsements

Inspector's Signature  
 Date 23 Dec, 2019