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Nuclear

January 22, 2008 BW080002

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

Braidwood Station, Unit 1

Facility Operating License Nos. NPF-72

NRC Docket No. STN 50-456

Subject:

Braidwood Station, Unit 1 Inservice Inspection Summary Report

Enclosed is the post-outage summary report (i.e., the 90 day report) for Inservice Inspection examinations conducted during the Braidwood Station, Unit 1 thirteenth refueling outage (A1R13). This report is submitted in accordance with the requirements of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, Section XI, "Rules for the Inservice Inspection of Nuclear Power Plant Components," Article IWA-6200, "Requirements."

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

Sincerely,

Thomas Coutu Site Vice President Braidwood Station

Enclosure: Braidwood Station ISI Outage Report for A1R13

BRAIDWOOD STATION

UNIT 1 INSERVICE INSPECTION SUMMARY REPORT FOR:

Interval 2, Period 3, Outage 2
A1R13 Outage

STATION ADDRESS:

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

UNIT 1 COMMERCIAL SERVICE DATE:

July 29, 1988

OWNER'S ADDRESS:

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



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Braidwood Station Unit 1 A1R13 ISI Outage Report

1.0 INSPECTION INFORMATION

1.1 Summary

Second Interval Inservice Inspections (ISI) of ASME Class 1, 2, and 3 components were conducted at Braidwood Station Unit 1 between July 18, 2006 to January 2, 2008, with the majority of these inspections being performed during the Braidwood Station Unit 1 thirteenth refueling outage (A1R13). This outage is reflected in the Braidwood ISI schedule by the code 232 (Interval 2, Period 3, Outage 2).

The examinations were performed in accordance with the rules and regulations of Section XI, Division 1, "Rules for Inservice Inspection of Nuclear Power Plant Components," of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, 1989 Edition, no addenda, pursuant to the requirements of Title 10, Part 50.55a of the Code of Federal Regulations (10CFR50.55a).

The Containment Inspection Program was developed and implemented in accordance with the requirements and intent of Subsections IWE and IWL of ASME Section XI, 1992 Edition through the 1992 Addenda, pursuant to the requirements of 10CFR50.55a.

In addition to the ASME Section XI requirements, certain NRC augmented ISI inspections were completed during A1R13. The Braidwood Unit 1 augmented ISI examinations included:

- a) Examination of the Class 1 pressure boundary for leakage at nominal operating pressure, in accordance with Generic Letter 88-05.
- b) Bare Metal Visual examination of the Unit 1 pressurizer steam space nozzles in accordance with Braidwood Station response to NRC Bulletin 2004-01, "Inspection of Alloy 82/182/600 Materials Used in the Fabrication of Pressurizer Penetrations and Steam Space Piping Connections at Pressurized-Water Reactors".
- Visual examinations of pressure retaining components above the Unit 1 reactor vessel head in accordance with First Revised NRC Order EA-03-009.
- d) Examination of the 1A reactor coolant pump motor flywheel in accordance with Regulatory Guide 1.14.
- e) Ultrasonic examination (post weld overlay) of all six pressurizer nozzle-tosafe end dissimilar metal welds associated with Confirmatory Action Letter NRR-07-008 commitments for Unit 1.

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



Braidwood Station Unit 1 A1R13 ISI Outage Report

1.2 Identification of Examination Requirements

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

1.3 Exempted Components

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

1.4 ISI Program Implementation

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

Certified personnel performed and evaluated all NDE. Personnel were certified to the requirements of the American Society for Non-destructive Testing SNT-TC-1A, 1984 Edition. The NDE procedures were developed and certified in conformance with ASME Section V and XI, 1989 Edition, or approved alternates (Performance Demonstration Initiative Program) as applicable. In addition, ultrasonic examination personnel were qualified in accordance with ANSI/ASME CP-189, 1995.

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

Certified personnel performed and evaluated visual examinations (VT-1, VT-3, VT-1C and VT-3C) of Containment Structures. Personnel were certified to the requirements of the ANSI/ASNT CP-189, 1991 revision, and/or ASME Section XI 1992 through 1992 Addenda, as applicable.

1.5 Witness and Verification of Examination

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



INSERVICE EXAMINATION SUMMARY 2.0

The following is a summary of ASME Section XI Class 1 and 2, Risk Informed ISI, and augmented examinations performed during the Braidwood Station Unit 1 A1R13 refueling outage. Refer to the component detailed examination tabulations of Section 3.0 for additional information on specific welds, components, supports, snubbers and pressure test examinations and their respective results.

2.1 **Inservice Weld/Component Summary**

| System | Number of Welds / Components* |
|----------------------------|----------------------------------|
| Reactor Coolant (RC) | 55 |
| Residual Heat Removal (RH) | 2 |
| Reactor Coolant (RY) | 4 |
| Safety Injection (SI) | 9 |
| TOTALS | 70 |

^{*} Non-Section XI Augmented examinations and Risk Informed ISI socket weld VT-2 examinations are not included in these counts but are contained in Section 3.1.

2.2 **Inservice Component Support Summary**

| SYSTEM EXAMINED | Number of Component Supports |
|--------------------------------|------------------------------------|
| Chemical & Volume Control (CV) | 1 |
| Reactor Coolant (RC) | 1 |
| Residual Heat Removal (RH) | 3 |
| Safety Injection (SI) | 36 |
| Essential Service Water (SX) | 11 |
| Primary Containment Purge (VQ) | 2 |
| TOTALS | 54 |

2.3 Inservice Snubber Summary

| SYSTEM EXAMINED | Number of Snubbers Examined by VT-3 | Number of Snubbers Functionally Tested |
|--------------------------------|--|---|
| Chemical & Volume Control (CV) | 4 | 1 |
| Main Steam (MS) | 20 | 7 |
| Reactor Coolant (RC) | 45 | 11 |
| Residual Heat Removal (RH) | 18 | 1 |
| Reactor Coolant (RY) | 24 | 4 |
| Safety Injection (SI) | 73 | 9 |
| TOTALS | 184 | 33 |

2.4 Inservice Pressure Test Summary

2.4.1 Pressure Test Test-Block Inspection Summary

The following components contained in this table are those pressure test blocks that were examined for Section XI Inservice Inspection credit. Braidwood has adopted Code Case N-522 as previously approved for use in Regulatory Guide 1.147 Revision 13, "Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1" for systems penetrating primary containment.

| System | Class | Number of Test Blocks Examined* |
|--|--------|---------------------------------------|
| Auxiliary Feedwater (AF) | 2 | 1 |
| Instrument Air (IA) | 2 | 1 |
| Safety Injection (SI) | 2 | 2 |
| Plant Systems Pressurized During Mode 3 (ZZ) | 1 & 2 | 4 |
| | TOTALS | 8 |

^{*} Remaining portion of two test blocks (A01SI-000005-M04-02H and A01ZZ-000005-M04-02B) were completed during A1R13. Remaining portion of test block A01ZZ-000005-M04-02A to be completed during a forced outage or in A1R14. Interval has been extended in accordance with by IWB-2412(b). Surveillances for remaining Class 2 systems were still ongoing at the time of report generation and will be included into the next ISI Summary report (A1R14).



2.4.2 Borated Bolting Inservice Inspection Summary

Summary of components contained in this table are those insulated borated bolted connections that were examined for Section XI Inservice Inspection credit. Inspections on these connections are performed per the commitments in Relief Request I2R-12, I2R-13, and I2R-30, as applicable, of the ISI Program Plan.

| SYSTEM EXAMINED | Number of Connections Examined by VT-2 | Number of Connections Examined by VT-1 |
|--------------------------------|--|--|
| Chemical & Volume Control (CV) | 11 | 0 |
| Pressurizer (PZR) | 1 | 0 |
| Reactor Coolant (RC) | 12 | 0 |
| Residual Heat Removal (RH) | 2 | . 0 |
| TOTALS | 26 | 0 |

2.5 Steam Generator (SG) Eddy Current Testing Summary

In compliance with Braidwood Station Technical Specification (TS) 5.5.9, "Steam Generator (SG) Program," and American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel (B&PV) Code Section XI 1989 Edition, IWB 2500-1, Examination Category B-Q, Item B16.20, SG eddy current examinations were performed during the Braidwood Station Unit 1 Cycle 13 refueling outage (A1R13). In addition, the inspections were performed consistent with the Electric Power Research Institute (EPRI) "PWR Steam Generator Examination Guidelines," Revision 6, and Nuclear Energy Institute NEI 97-06, "Steam Generator Program Guidelines," Revision 2.

The following inspections were performed during this outage:

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

The modes of tube degradation found during A1R13 were fan bar wear. lattice grid wear and foreign object wear.

As a result of the eddy current inspection of the SGs, a total of 21 tubes were removed from service by mechanical tube plugging. The 21 tubes were removed from service due to either having wear associated with secondary side foreign objects or were required to be removed from



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service in order to bound high flow locations where secondary side foreign objects could not be retrieved.

There were no tubes containing wear greater than the TS plugging limit of \geq 40% in any of the four SGs.

There were no scanning limitations during the eddy current examinations. Table 2.5-1, "Equivalent Tube Plugging Level," provides the total tube plugging history and equivalent plugging levels to-date for the Braidwood Station, Unit 1 SGs. Note: The Braidwood Unit 1 steam generators were replaced during the Cycle 7 refueling outage (November 1998).

Table 2.5-1
Equivalent Tube Plugging Level

| | SG A | SG B | SG C | SG D | Total |
|--------------------------|-------|-------|-------|-------|-------|
| Tubes Plugged at Factory | 1 | 2 | 0 | 0 | 3 |
| Tubes Plugged in A1R08 | 1 | 0 | 0 | 0 | 1 |
| Tubes Plugged in A1R10 | 8 | 10 | 3 | 0 | 21 |
| Tubes Plugged in A1R11 | 0 | 2 | 2 | 1 | 5 |
| Tubes Plugged in A1R12 | 11 | 17 | 0 | 0 | 28 |
| Tubes Plugged in A1R13 | 6 | 8 | 7 | 0 | 21 |
| Total Tubes Plugged | 27 | 39 | 12 | 1 | 79 |
| Total Tubes Plugged (%) | 0.41% | 0.59% | 0.18% | 0.02% | 0.30% |

Note: Steam Generator Inspections Were Not Performed During A1R09.

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



3.0 COMPONENT DETAILED EXAMINATION TABLES

3.1 Detailed Inservice Weld/Component Table(s):

The table for this section (Pages 3-5 to 3-22) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 welds and components. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

| Section XI Cat. Item | ISI Identifier Description | Line Number/EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------------------------|-------------------------------|--------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| Inspection Comments | | | | | | | | |
| (A) | (B) (K) | (C) | (D) | (E) | (F) | (G) | (H) | (1) |
| (J) | (14) | | | | | | | |

3.1.1 Detailed Preservice Weld/Component Table(s):

The table for this section (Page 3-23 to 3-27) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 (no Class 2 replaced) components replaced during A1R13. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

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

3.2 Detailed Inservice Component Support Table:

The table for this section (Pages 3-28 to 3-36) lists the examinations performed for Section XI Inservice Inspection requirements for Class 1 and 2 component supports. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

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

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3.2.1 Detailed Preservice Component Support Table:

The table for this section (Pages 3-37 to 3-39) lists the examinations performed for Section XI Inservice Inspection requirements for a replaced Class 2 component support. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

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

3.3 Detailed Inservice Snubber Table:

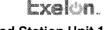
The table for this section (Pages 3-40 to 3-52) lists the examinations performed for Section XI Inservice Inspection requirements for Class 1 and 2 snubbers. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

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

3.3.1 Detailed Preservice Snubber Table:

The table for this section (Pages 3-53 to 3-56) lists the baseline examinations performed for Section XI Preservice Inspection requirements for Class 1 and 2 snubbers replaced during A1R13. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

| Section XI Cat. Item | ISI Identifier Description | Line Number/EPN | Relief Request | Program Notes | Exam Summary | Results |
|----------------------|----------------------------|-----------------|-------------------|------------------|-----------------|---------|
| Inspection Co (A) | (B) (K) | (C) | (D) | (E) | (G) | (1) |
| (J) | (14) | | | | | |



Braidwood Station Unit 1 A1R13 ISI Outage Report

3.4 Detailed Inservice Pressure Test Table(s):

3.4.1 System Pressure Tests

The table for this section (Pages 3-3-57 to 3-60) lists the examinations performed for Section XI Inservice and Augmented Inspection requirements for Class 1 and 2 pressure test blocks. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

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

3.4.2 Borated Bolted Connection Inspections

The table for this section (Pages 3-61 to 3-64) lists the examinations performed for Inservice Inspection pressure testing requirements of Section XI Class 1 and 2 borated bolted connections. The general format of how the table is set-up is shown below. A description of the information contained in each column can be found in Section 3.5.

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

3.5 General Inservice Report Information

3.5.1 Report Column Descriptions

- (A) This column contains the Section XI Category and Item identifiers for the specified component. There are special cases, like snubbers, where an "S" has been added to the end of the Section XI Item identifier. This was done to allow easy sorting of the snubber population by the ISI database.
- (B) This column contains the ISI Identifier that the ISI Program uses to distinguish components.
- (C) This column contains the line number or equipment piece number (EPN) associated with the component for identification.
- (D) This column identifies the ISI Program Plan relief request(s) that is associated with that component. A complete copy of the relief request can be found in the ISI Program Plan.



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- (E) This column identifies the ISI Program Plan note(s) that is associated with that component. A complete copy of the Program note can be found in the ISI Program Plan.
- (F) This column identifies the percentage of code coverage achieved for the associated volumetric examination for that component.
- (G) This column summarizes the exams performed during this outage for the associated component.
- (H) This column identifies actual exams performed during this outage for the associated component.
- (I) This column summarizes the results for exams performed during this outage for the associated component.
- (J) This row states inspection comments, when applicable, for the associated component.
- (K) This column specifies the description of the associated component.

3.5.2 Report Abbreviations

ATI - Action Tracking Item

BMV - Bare Metal Visual Inspection
FUNCT - Snubber Functional Test
FSWOL - Full Structural Weld Overlay

GE/IND - Geometry/Indication

GEOM - Geometry
IND - Indication
IR - Issue Report

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

SUR - Surface Exam
TBD - To Be Developed
WO - Work Order

UT - Ultrasonic Inspection
VOL - Volumetric Exam

VOL-E - Volumetric Exam of an Extended Volume

VT - Visual Inspection

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SYSTEM: Chemical & Volume Control System (CV)

| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|-----------------|-------------------------------|-------------------|-------------------|------------------|---|-----------------|----------------|---------|
| Inspe | ection Cor | nments | | | | | | | |
| R-A | R01.11 | 1CV-05-03 PIPE - ELBOW | 1CVA3B-2" | | NOTE 4 | in the second | VT-2 | | NRI |
| R-A | R01.11 | 1CV-05-04 ELBOW - PIPE | 1CVA3B-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-05-05 PIPE - ELBOW | 1CVA3B-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-05-06 ELBOW - PIPE | 1CVA3B-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-05-13 PIPE - ELBOW | 1CVA3B-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-05-14.01 ELBOW - PIPE | 1CVA3B-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-11-06 PIPE - ELBOW | 1CVA6AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-11-07 ELBOW - PIPE | 1CVA6AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-15 PIPE - ELBOW | 1CVA3AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-16 ELBOW - PIPE | 1CVA3AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-17 PIPE - ELBOW | 1CVA3AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-18 ELBOW - PIPE | 1CVA3AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-11 PIPE - ELBOW | 1CVA7AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-12 ELBOW - PIPE | 1CVA7AA-2" | | NOTE 4 | | VT-2 | | NRI |

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| I | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|----------------|---------------------------------------|--------------------------|-------------------|------------------|------------------|-----------------|------------------------------|---------|
| Inspe | ection Con | nments | | | | | | | |
| R-A | R01.20 | 1RC-02-04A BRANCH CONNECTION - | THERMOWELL THERMOWELL | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-03-21A BRANCH CONNECTION - | THERMOWELL THERMOWELL | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-06-16 PIPE - PIPE | 1RC21BA-8" | | NOTE 4 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.20 | 1RC-23-01 3"X1.5" REDUCER - PIPE | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-23-02 PIPE - ELBOW | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-23-03 ELBOW - PIPE | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-23-04 PIPE - ELBOW | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-23-05 ELBOW - PIPE | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-27-04AA PIPE - ELBOW | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-27-05AA ELBOW - PIPE | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-27-06AA PIPE - ELBOW | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-27-07AA ELBOW - PIPE | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-27-08AA PIPE - VALVE 1RC8045A | 1RC22AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-01-03 PIPE - BRANCH CONNECT | 1RC16AC-2" FION | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-01-04 PIPE - BRANCH CONNECT | 1RC16AD-2" FION | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-02-03 ELBOW - PIPE | 1RC16AC-2" | | NOTE 4 | | VT-2 | And security of the Security | NRI |
| R-A | R01.11 | 1RC-29-02-04 ELBOW - PIPE | 1RC16AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-03-03 PIPE - ELBOW | 1RC16AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-03-04 PIPE - ELBOW | 1RC16AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-04-03 ELBOW - PIPE | 1RC16AC-2" | | NOTE 4 | | VT-2 | ··········· | NRI |

Section 3.1 Detailed Inservice Inspection Weld / Component Listing (Page 3 of 18)

| 1 | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|----------------|---------------------------------------|-------------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| Inspe | ection Cor | nments | | | | | | | |
| R-A | R01.11 | 1RC-29-04-04 ELBOW - PIPE | 1RC16AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-05-03 PIPE - ELBOW | 1RC16AC-2 ¹¹ | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-05-04 PIPE - ELBOW | 1RC16AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-06-03 VALVE 1RC8038C - PIPE | 1RC16AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-29-06-04 VALVE 1RC8038D - PIPE | 1RC16AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-31-01 BRANCH CONNECTION - | 1RC14AB-2" PIPE | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-31-02 PIPE - VALVE 1RC8039B | 1RC14AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-31-03 VALVE 1RC8039B - PIPE | 1RC14AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-31-04 PIPE - TEE | 1RC14AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-31-05 TEE - 2"X.75" REDUCER | 1RC14AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-31-06 TEE - PIPE | 1RC14AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-31-07 PIPE - VALVE 1RC8037B | 1RC14AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1RC-31-08 BRANCH CONNECTION - | 1RC26A-2" PIPE | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-01 BRANCH CONNECTION - | 1RC14AA-2" PIPE | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-02 PIPE - ELBOW | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-03 ELBOW - PIPE | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-04 PIPE - VALVE 1RC8039A | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-05 VALVE 1RC8039A - PIPE | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-06 PIPE - TEE | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-07 TEE - 2"X.75" REDUCER | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |

Section 3.1 Detailed Inservice Inspection Weld / Component Listing (Page 4 of 18)

| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|-----------------|-------------------------------------|--------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| Inspe | ection Cor | nments | | | | | | | |
| R-A | R01.11 | 1RC-36-08 TEE - PIPE | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-09 PIPE - VALVE 1RC8037A | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-20 PIPE - TEE | 1RC14AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-36-22 TEE - 2"X1" REDUCER | 1RC86AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-01 BRANCH - PIPE | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-02 PIPE - ELBOW | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-03 ELBOW - PIPE | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-04 PIPE - VALVE 1RC8039D | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-05 VALVE 1RC8039D - PIPE | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-06 PIPE - TEE | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-07 TEE - 2"X.75" REDUCER | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-08 TEE - PIPE | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-37-09 PIPE - VALVE 1RC8037D | 1RC14AD-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-01AA PIPE - BRANCH CONNEC | 1RC16AA-2" TION | | NOTE 4 | | VT-2 | 2000000 | NRI |
| R-A | R01.11 | 1RC-41-01AB PIPE - BRANCH CONNEC | 1RC16AB-2" TION | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-02AA ELBOW - PIPE | 1RC16AA-2* | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-02AB ELBOW - PIPE | 1RC16AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-03AA PIPE - ELBOW | 1RC16AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-03AB PIPE - ELBOW | 1RC16AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-04AA ELBOW - PIPE | 1RC16AA-2" | | NOTE 4 | | VT-2 | | NRI |

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| l | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|--------|----------------|--------------------------------------|----------------------------|-------------------|------------------|------------------|-----------------|---------------------------|--------------------|
| Inspe | ction Com | nments | | 4 | | | | | |
| R-A | R01.11 | 1RC-41-04AB VALVE 1RC8038B - PIPE | 1RC16AB-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-05AA PIPE - ELBOW | 1RC16AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-41-06AA VALVE 1RC8038A - PIPE | 1RC16AA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-01 BRANCH CONNECTION - | 1RC14AC-2" PIPE | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-02 PIPE - ELBOW | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-03 ELBOW - PIPE | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-04 PIPE - VALVE 1RC8039C | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-05 VALVE 1RC8039C - PIPE | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-06 PIPE - TEE | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-07 TEE - 2"X3/4" REDUCER | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-08 TEE - PIPE | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-09 PIPE - VALVE 1RC8037C | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-10 PIPE - TEE | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-11 TEE - PIPE | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1RC-42-12 TEE - 2"X1" REDUCER | 1RC14AC-2" | | NOTE 4 | | VT-2 | | NRI |
| B-A | B01.11 | 1RV-01-003 RX VESSEL SHELL - SHE | 1RC01R LL WELD | | NOTE 4 | 100 | VOL | UT-45L UT-45 | IND. IND. |
| Two | ndications | noted, detected with both th | e 45L and the 45 shear. B | oth indication | ns acceptabl | e per Section | XI 1989 IW | B-3510-1. | • |
| B-A | B01.11 | 1RV-01-004 RX VESSEL SHELL - SHE | 1RC01R LL WELD | | NOTE 4 | 100 | VOL | UT-45L UT-45 UT-45L | NRI IND. NRI |
| One i | ndication r | noted on 45 degree shear, al | lowable per Section XI 198 | 9. IWB-3510 | -1. | | | UT-45 | IND. |
| B-A | B01.30 | 1RV-01-005 RX VESSEL SHELL - FLAN | 1RC01R | I2R-21 | NOTE 4 | 99.98 | VOL | UT-45L UT-45 | NRI |
| Limita | ation due to | c keyways located at 0, 90, 2 | 270, and 360 degrees. No | recordable in | dications. | | | ··· | |

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| Sect | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|-----------------|--|---|-------------------|------------------|------------------|-----------------|---|--|
| Inspe | ection Con | nments | | | | | | | L |
| B-D | B03.90 | 1RV-01-006 VESSEL - NOZZLE (22 DE | 1RC01R EG.) | I2R-16 I2R-22 | NOTE 4 | 99.3 | VOL | UT-0 UT-30 UT-45 UT-45 UT-45L UT-45L UT-45L | NRI IND. NRI IND. IND. NRI NRI |
| | | e indications noted (all with t | | , also noted o | n 45 degree | shear and 45 | degree long | | |
| B-D | B03.90 | 1RV-01-007 NOZZLE - VESSEL (67 DE | , | I2R-16 | NOTE 4 | 97.4 | VOL | UT-0 UT-30 UT-45L UT-45 UT-45L UT-45 UT-45L | NRI IND. NRI NRI NRI NRI NRI |
| B-D | B03.90 | noted (30 degree longitudina 1RV-01-008 NOZZLE - VESSEL (113 D indications (both observed v Section XI 1989 Edition, IWE | 1RC01R EG.) vith 30 degree refracted lo | I2R-16 | NOTE 4 | 97.4 | VOL | UT-0 UT-30 UT-45L UT-45 UT-45L UT-45 UT-45L UT-45L Were | NRI IND. NRI NRI NRI NRI NRI |
| B-D | B03.90 | 1RV-01-009 VESSEL - NOZZLE (158 D | 1RC01R | I2R-16 I2R-22 | NOTE 4 | 99.3 | | UT-0 UT-30 UT-45L UT-45 UT-45L UT-45 UT-45L UT-45L | NRI NRI NRI NRI NRI NRI NRI |
| B-D | B03.90 | ndications noted. 1RV-01-010 VESSEL - NOZZLE (202 Di | 1RC01R EG.) | I2R-16 I2R-22 | NOTE 4 | 99.3 | | UT-0 UT-30 UT-45L UT-45 UT-45L UT-45L | NRI NRI NRI NRI NRI NRI NRI |

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| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------------|----------------------|--|---------------------------|--------------------------|------------------|---|-----------------|--|---|
| Insp | ection Con | nments | | | | | | | |
| B-D | B03.90 | 1RV-01-011 NOZZLE - VESSEL (247 D | 1RC01R DEG.) | I2R-16 | NOTE 4 | 97.4 | VOL | UT-0 UT-30 UT-45L UT-45 UT-45 UT-45 UT-45L UT-45L | NRI NRI NRI NRI NRI NRI NRI |
| B-D One | B03.90 | 1RV-01-012 NOZZLE - VESSEL (293 D | | I2R-16 | NOTE 4 | 97.4 | VOL | UT-0 UT-30 UT-45L UT-45 UT-45L UT-45 UT-45t table per | NRI IND. NRI NRI NRI NRI NRI Section |
| B-D | 989, IWB-3 B03.90 | 1RV-01-013 VESSEL - NOZZLE (338 D | 1RC01R PEG.) | I2R-16 I2R-22 | NOTE 4 | 99.3 | VOL | UT-0 UT-30 UT-45L UT-45 UT-45L UT-45 UT-45L UT-45L | NRI NRI NRI NRI NRI NRI NRI |
| B-D | B03.100 | 1RV-01-014 NOZZLE INNER RADIUS (| 1RC01R 22 DEG.) | I2R-16 | NOTE 4 | alanda (1974) (1974) arrang ang mga kilabih kilabih kilabih (1974) (1974) ang managanan | IRS | VT-1 | NRI |
| Enha | anced VT-1 | per Code Case 648-1 and a | , | de 1.147 condi | tions. | | | | |
| B-D Enha | B03.100 | 1RV-01-015 NOZZLE INNER RADIUS (per Code Case 648-1 and a | · | l2R-16 de 1.147 condi | NOTE 4 tions. | | IRS | VT-1 | NRI |
| B-D | B03.100 | 1RV-01-016 NOZZLE INNER RADIUS (per Code Case 648-1 and a | • | I2R-16 | NOTE 4 | | IRS | VT-1 | NRI |
| B-D | B03.100 | 1RV-01-017 NOZZLE INNER RADIUS (| 1RC01R | I2R-16 | NOTE 4 | W | IRS | VT-1 | NRI |
| | anced VT-1 | per Code Case 648-1 and a | dditional Regulatory Guid | le 1.147 condi | tions. Evide | nce of corros | ion by-produ | cts noted | for |
| B-D Enha | B03.100 | 1RV-01-018 NOZZLE INNER RADIUS (per Code Case 648-1 and a | • | I2R-16 le 1.147 condi | NOTE 4 | nce of corros | | VT-1 | NRI for |

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| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|-----------------------|--|-----------------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| Insp | ection Com | nments | | | | | | | |
| B-D | B03.100 | 1RV-01-019 NOZZLE INNER RADIUS | 1RC01R (247 DEG.) | I2R-16 | NOTE 4 | | IRS | VT-1 | NRI |
| | anced VT-1 mation. | per Code Case 648-1 and a | additional Regulatory Guide | 1.147 condi | itions. Evide | ence of corros | sion by-produ | ucts noted | l for |
| B-D | B03.100 | 1RV-01-020 NOZZLE INNER RADIUS | 1RC01R (293 DEG.) | 12R-16 | NOTE 4 | | IRS | VT-1 | NRI |
| Enh | anced VT-1 | per Code Case 648-1 and a | idditional Regulatory Guide | 1.147 condi | tions. | | | | |
| B-D | B03.100 | 1RV-01-021 NOZZLE INNER RADIUS (| 1RC01R (338 DEG.) | I2R-16 | NOTE 4 | | IRS | VT-1 | NRI |
| | anced VT-1 mation. | per Code Case 648-1 and a | dditional Regulatory Guide | 1.147 condi | tions. Evide | ence of corros | sion by-produ | icts noted | for |
| R-A | R01.15 MRP-139 | 1RV-01-022 NOZZLE - SAFE END (22 | 1RC01R DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| | | al eddy current scan was als ts MRP-139 requirements. | o performed on the weld ins | side diamete | er surface. N | lo recordable | indications | were note | d. |
| R-A | R01.15 MRP-139 | 1RV-01-023 SAFE END - NOZZLE (67 | 1RC01R DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| | rcumferentia | al eddy current scan was als P-139 requirements. | , | iameter surf | ace. No rec | ordable indic | ations were | noted. Ex | am |
| R-A | R01.15 MRP-139 | 1RV-01-024 SAFE END - NOZZLE (113 | 1RC01R 3 DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| No r | ecordable ir | ndications were noted. Exam | n also meets MRP-139 requ | uirements. | | | | | |
| R-A | R01.15 MRP-139 | 1RV-01-025 NOZZLE - SAFE END (158 | 1RC01R 3 DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| | | al eddy current scan was also 2-139 requirements. | o performed on the inside d | iameter surf | ace. No rec | ordable indic | ations were i | noted. Ex | am |
| R-A | R01.15 MRP-139 | 1RV-01-026 NOZZLE - SAFE END (202 | 1RC01R ! DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| | | ll eddy current scan was also 2-139 requirements. | o performed on the inside d | iameter surf | ace. No rec | ordable indic | ations were i | noted. Ex | am |
| R-A | R01.15 MRP-139 | 1RV-01-027 SAFE END - NOZZLE (247 | 1RC01R DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| No ir | ndications w | ere noted. Exam also meet | s MRP-139 requirements. | | | | | | |
| R-A | R01.15 MRP-139 | 1RV-01-028 SAFE END - NOZZLE (293 | 1RC01R DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| No ir | ndications w | ere noted. Exam also meet | s MRP-139 requirements. | | | | | | |
| R-A | R01.15 MRP-139 | 1RV-01-029 NOZZLE - SAFE END (338 | 1RC01R DEG.) | I2R-16 I2R-49 | NOTE 4 | 100 | VOL-E | UT-70L | NRI |
| | | l eddy current scan was also 2-139 requirements. | performed on the inside d | ameter surfa | ace. No rec | ordable indica | ations were r | noted. Ex | am |
| R-A | R01.20 | 1RV-01-030 "C" HOT LEG SAFE END - | 1RC01AC-29" PIPE | I2R-49 | NOTE 4 | 93.47 | VOL-E | UT-70L | NRI |
| | | examination performed durin s also performed on inside di | | No recordab | le indication | s. A circumfe | erential eddy | current | |

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SYSTEM: Reactor Coolant System (RC)

| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Result |
|--|---|---|---|--|--|---|---|--|---|
| Inspe | ection Con | nments | | | | | | | |
| R-A | R01.20 | 1RV-01-031 ELBOW - "C" COLD LEG : | 1RC03AC-27.5" SAFE END | 12R-49 | NOTE 4 | 98.54 | VOL-E | UT-70L | NRI |
| A cir | cumferenti | al eddy current examination | was also performed on th | e inside diam | eter surface. | | | | |
| R-A | R01.20 | 1RV-01-032 ELBOW - "D" COLD LEG : | 1RC02AD-27.5" SAFE END | I2R-49 | NOTE 4 | 99.3 | VOL-E | UT-70L | NRI |
| A cir | cumferenti | al eddy current examination | was performed on inside | diameter surf | aces. No red | ordable indic | ations were | noted. | |
| R-A | R01.20 | 1RV-01-033 "D" HOT LEG SAFE END | | I2R-49 | NOTE 4 | 93.11 | VOL-E | UT-70L | NRI |
| | | examination performed duri as also performed on inside o | | n. No recorda | ıble indicatior | ns. A circumf | erential eddy | y current | |
| R-A | R01.20 | 1RV-01-034 "A" HOT LEG SAFE END | 1RC01AA-29" - PIPE | I2R-49 | NOTE 4 | 91.78 | VOL-E | UT-70L UT-70L | NRI NRI |
| A cir | cumferenti | al eddy current examination | was performed on the ins | ide diameter | surfaces. No | recordable in | ndications no | oted. | |
| R-A | R01.20 | 1RV-01-035 ELBOW - "A" COLD LEG S | 1RC03AA-27.5" SAFE END | I2R-49 | NOTE 4 | 87.5 | VOL-E | UT-70L | NRI |
| | | examination performed duri s also performed on inside o | | . No recorda | ble indication | ns. A circumf | erential eddy | y current | |
| R-A | R01.20 | 1RV-01-036 ELBOW - "B" COLD LEG 9 | 1RC03AB-27.5" SAFE END | 12R-49 | NOTE 4 | 88.06 | VOL-E | UT-70L | NRI |
| | | examination performed during also performed on inside c | | . No recorda | ble indication | is. A circumf | erential eddy | / current | · |
| R-A | R01.20 | 1RV-01-037 "B" HOT LEG SAFE END - | 1RC01AB-29" PIPE | I2R-49 | NOTE 4 | 97.7 | VOL-E | UT-70L | NRI |
| A cir | cumferenti | al eddy current scan was als | o performed on the inside | diameter sur | face. No rec | ordable indic | ations were i | noted. | |
| B-N-2 | B13.60 | 1RV-01-039 TO 044 | | | | | VCT O | | NRI |
| | | INTERIOR ATTACHMENT | 1RC01R OUTSIDE BELTLINE RE | :G | | | VT-3 | VT-3 | |
| B-N-3 | B13.70 | INTERIOR ATTACHMENT 1RV-01-RX COREBARREI CORE SUPPORT STUCTU | OUTSIDE BELTLINE RE | EG. | ************************************** | | VT-3 | VT-3 | NRI |
| | | 1RV-01-RX COREBARREI | OUTSIDE BELTLINE RE _ 1RC01R JRE | | | | | | |
| Parti | | 1RV-01-RX COREBARREI CORE SUPPORT STUCTU | OUTSIDE BELTLINE RE 1RC01R JRE o radiation affecting equip | | | | | | |
| Parti | al examina | 1RV-01-RX COREBARREI CORE SUPPORT STUCTU tion of lower core plate due t 1RV-01-RX INTERIOR | OUTSIDE BELTLINE RE 1RC01R JRE o radiation affecting equip 1RC01R SURFACES 1RC01R | | NOTE 4 | 97.24 | VT-3 | VT-3 | NRI |
| Parti B-N-1 B-A Com 45 de Inter | B13.10 B01.21 bined cove | 1RV-01-RX COREBARREI CORE SUPPORT STUCTU tion of lower core plate due t 1RV-01-RX INTERIOR ACCESSIBLE INTERIOR S 1RV-02-001 DUTCHMAN - LOWER CE brage for four scans (counterer beam angles is 97.24%. P Request I2R-18, Braidwood c | OUTSIDE BELTLINE RE 1RC01R 1RC01R SURFACES 1RC01R NTER DISC. clockwise, clockwise, up, revious ten-year examina | oment. I2R-18 and down) us tion average | ing 45 degre was determir | e dual longitu led to be 86% | VT-3 VT-3 VOL dinal, 45 deg | VT-3 VT-3 UT-45L UT-45 gree single wood Secential | NRI NRI NRI NRI e, and |
| Partional Partio | al examina B13.10 B01.21 bined cove | 1RV-01-RX COREBARREI CORE SUPPORT STUCTU tion of lower core plate due t 1RV-01-RX INTERIOR ACCESSIBLE INTERIOR S 1RV-02-001 DUTCHMAN - LOWER CE brage for four scans (counterer beam angles is 97.24%. P Request I2R-18, Braidwood c | OUTSIDE BELTLINE RE 1RC01R 1RC01R SURFACES 1RC01R NTER DISC. clockwise, clockwise, up, revious ten-year examina | oment. I2R-18 and down) us tion average | ing 45 degre was determir | e dual longitu led to be 86% | VT-3 VT-3 VOL dinal, 45 deg | VT-3 VT-3 UT-45L UT-45 gree single wood Secential | NRI NRI NRI NRI e, and |
| Parti B-N-1 B-A Com 45 de Inter | B13.10 B01.21 bined cove egree shea val Relief Frwater tech | 1RV-01-RX COREBARREI CORE SUPPORT STUCTU tion of lower core plate due to 1RV-01-RX INTERIOR ACCESSIBLE INTERIOR S 1RV-02-001 DUTCHMAN - LOWER CE brage for four scans (countered to beam angles is 97.24%. P Request I2R-18, Braidwood coniques. | OUTSIDE BELTLINE RE 1RC01R O radiation affecting equip 1RC01R SURFACES 1RC01R NTER DISC. clockwise, clockwise, up, revious ten-year examina ommitted to perform exam | I2R-18 and down) us tion average ininations to the | ing 45 degre was determin ne maximum | e dual longitu led to be 86% extent practic | VT-3 VOL dinal, 45 deg b. Per Braids cal suring ava | VT-3 VT-45L UT-455 gree single wood Secallable | NRI NRI NRI NRI e, and |
| Partid 3-N-1 3-A Com 45 de Intervunde | B13.10 B01.21 bined cove egree shea val Relief Frwater tech | 1RV-01-RX COREBARREI CORE SUPPORT STUCTU tion of lower core plate due to 1RV-01-RX INTERIOR ACCESSIBLE INTERIOR S 1RV-02-001 DUTCHMAN - LOWER CE brage for four scans (countered to be a mangles is 97.24%. P Request I2R-18, Braidwood contiques. 1RV-02-002 | OUTSIDE BELTLINE RE 1RC01R O radiation affecting equip 1RC01R SURFACES 1RC01R NTER DISC. clockwise, clockwise, up, revious ten-year examina ommitted to perform exam | I2R-18 and down) us tion average ininations to the | ing 45 degre was determin ne maximum | e dual longitu led to be 86% extent practic | VT-3 VOL dinal, 45 deg b. Per Braids cal suring ava | VT-3 VT-45L UT-45 gree single wood Second | NRI NRI NRI NRI e, and ond |

72.58%. Previous ten-year examination average was determined to be 81%. Per Braidwood Second Interval Relief Request I2R-18,

Braidwood committed to perform examinations to the maximum extent practical suring available underwater techniques.

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| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|----------------|---|--|-------------------|------------------|------------------|-----------------|----------------|---------------|
| Inspe | ection Con | nments | | | - | | | | |
| | | 1RV-02-INSTR. NOZZLES RX VESSEL INSTRUMEN minations (NRC Bulletin 200 | TATION NOZ. 03-02) performed from 10/1 | | | | | WDI-STI | NRI D-133, |
| | | WDI-STD-141, and WDI-ST | | noted on ar | | | | | **** |
| B-O | B14.10 | 1RV-03-54 WELD IN PERIPHERAL C | 1RC01R RD HOUSING | | NOTE 4 | 100 | SUR | PT | NRI |
| В-О | B14.10 | 1RV-03-66 WELD IN PERIPHERAL C | 1RC01R RD HOUSING | | NOTE 4 | 100 | SUR | PT | NRI |
| В-О | B14.10 | 1RV-03-67 WELD IN PERIPHERAL C | 1RC01R RD HOUSING | | NOTE 4 | 100 | SUR | PT | NRI |
| В-О | B14.10 | 1RV-03-73 WELD IN PERIPHERAL C | 1RC01R RD HOUSING | | NOTE 4 | 100 | SUR | PT | NRI |
| B-G-2 | B07.10 | 1RV-03-77 CETNA CLAMP BOLTING INCORE THERMOCOUPL | | | | | VT-1 | VT-1 | NRI |
| В-О | B14.10 | 1RV-03-78 WELD IN PERIPHERAL C | 1RC01R RD HOUSING | | NOTE 4 | 100 | SUR | PT | NRI |
| B-G-2 | B07.10 | 1RV-03-78 CETNA CLAMF BOLTING INCORE THERMOCOUPL | | | | | VT-1 | VT-1 | NRI |
| B-E | B04.12 | 1RV-03-CRD NOZZLES REACTOR VESSEL CRD | 1RC01R NOZZLES | | | | VT-2 | | NRI |
| B-E | B04.11 | 1RV-03-VENT PIPE REACTOR VESSEL NOZ. | 1RC01R VENT PIPE | | | | VT-2 | | NRI |
| B-Q | B16.20 | 1SG-05-1RC01BA TUBING STEAM GENERATOR TUB | | | | | VOL | ET | IND. |
| See S | Section 2.5 | of report for examination de | etails. | | | | | | |
| Base | d on eddy | current test results, the follow | wing tubes (hot and cold leg | tubesheets |) were isolat | ed by mecha | nical pluggin | g: | |
| Row | 110/Colum | n 59, Row 112/Column 59, I | Row 114, Column 59, Row 1 | 109/Column | 60, Row 11 | 1/Column 60. | and Row 11 | 3/Column | n 60. |
| | B03.140 | 1SG-05-SGN-16 PRIMARY INLET NOZZLE | 1RC01BA | | NOTE 4 | 95.1 | IRS | | NRI |
| Enha | nced VT-1 | per Code Case 648-1 and a | | 1.147 condit | ions. | | | | |
| B-D | B03.140 | 1SG-05-SGN-17 PRIMARY OUTLET NOZZI | 1RC01BA LE INNER RADIUS | | NOTE 4 | 95.1 | IRS | | NRI |
| Enha | nced VT-1 | per Code Case 619 and add | ditional Regulatory Guide 1. | 147 conditio | ns. | | | | |
| R-A | R01.20 | 1SG-05-SGSE-02 SAFE END - AUX FW NOZ | 1RC01BA ZLE | | NOTE 4 NOTE 7 | 79 | VOL-E | | NRI |

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| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|---|---|---|---|-------------------|---------------------------------------|------------------|-------------------------------------|---|-------------------------------------|
| Insp | ection Con | nments | | | | | | | |
| B-Q | B16.20 | 1SG-06-1RC01BB TUBING STEAM GENERATOR TU | | | | | VOL | ET | IND. |
| See | Section 2.5 | 5 of report for examination de | etails. | | | | | | |
| Bas | ed on eddy | current test results, the follo | wing tubes (hot and cold l | leg tubesheets |) were isola | ted by mecha | ınical pluggiı | ng: | |
| | | n 18, Row 64/Column 19, Ro and Column 63/Row 22. | ow 66, Column 19, Row 63 | 3/Column 20, F | Row 65/Colu | ımn 20, Row | 62/Column 2 | 21, Row | |
| 3-D | B03.140 | 1SG-06-SGN-16 PRIMARY INLET NOZZLE | | | NOTE 4 | 95.1 | IRS EVT-1 | | NRI |
| Enh | anced VT-1 | per Code Case 619 and ad | ditional Regulatory Guide | 1.147 conditio | ns. | | | | |
| 3-D | B03.140 | 1SG-06-SGN-17 PRIMARY OUTLET NOZZ | | | NOTE 4 | 95.1 | IRS EVT-1 | | NRI |
| | | per Code Case 619 and ad | | 1.147 conditio | ns. | | | | Market and the second second second |
| -Q | B16.20 | 1SG-07-1RC01BC TUBING STEAM GENERATOR TUI | | | | | VOL | ET | IND. |
| See | Section 2.5 | of report for examination de | etails. | | | | | | |
| Bas | ed on eddy | current test results, the follo | wing tubes (hot and cold I | leg tubesheets |) were isola | ted by mecha | ınical pluggir | ng: | |
| | | n 19, Row 76/Column 19, Ro and Column 79/Row 20. | w 78, Column 19, Row 73 | 3/Column 20, F | Row 75/Colu | ımn 20, Row | 77/Column 2 | 20, Row | |
| -D | B03.140 | 1SG-07-SGN-16 PRIMARY INLET NOZZLE | 1RC01BC INNER RADIUS | | NOTE 4 | 95.1 | IRS EVT-1 | | NRI |
| Enh | anced VT-1 | per Code Case 619 and add | distance Descriptions October | | | | | | |
| -D | B03.140 | | ultional Hegulatory Guide | 1.147 conditio | ns. | | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | |
| | | 1SG-07-SGN-17 PRIMARY OUTLET NOZZ | 1RC01BC LE INNER RADIUS | | NOTE 4 | 95.1 | IRS EVT-1 | | NRI |
| | anced VT-1 | | 1RC01BC LE INNER RADIUS | | NOTE 4 | 95.1 | IRS | | NRI |
| Enh | anced VT-1 B16.20 | PRIMARY OUTLET NOZZ | 1RC01BC LE INNER RADIUS ditional Regulatory Guide G 1RC01BD | | NOTE 4 | 95.1 | IRS | ET | NRI |
| Enh | B16.20 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING | 1RC01BC LE INNER RADIUS ditional Regulatory Guide 3 1RC01BD BING | | NOTE 4 | 95.1 | IRS EVT-1 | ET | |
| Enha -Q See | B16.20 Section 2.5 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING STEAM GENERATOR TUB | 1RC01BC LE INNER RADIUS ditional Regulatory Guide 3 1RC01BD BING etails. | | NOTE 4 | 95.1 | IRS EVT-1 | ET | |
| Enha I-Q See Basa | B16.20 Section 2.5 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING STEAM GENERATOR TUB 5 of report for examination de | 1RC01BC LE INNER RADIUS ditional Regulatory Guide G 1RC01BD BING etails. gging was not required. 1RC01BD | | NOTE 4 | 95.1 | IRS EVT-1 | ET | |
| Enha I-Q See Base I-D | B16.20 Section 2.5 ed on eddy B03.140 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING STEAM GENERATOR TUB 5 of report for examination de current test results, tube plu 1SG-08-SGN-16 | 1RC01BC LE INNER RADIUS ditional Regulatory Guide 3 1RC01BD BING etails. gging was not required. 1RC01BD | 1.147 conditio | NOTE 4 | | IRS EVT-1 VOL | ET | NRI |
| Enhance -Q See -Base -D | B16.20 Section 2.5 ed on eddy B03.140 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING STEAM GENERATOR TUB 5 of report for examination de current test results, tube plu 1SG-08-SGN-16 PRIMARY INLET NOZZLE | 1RC01BC LE INNER RADIUS ditional Regulatory Guide G 1RC01BD BING etails. gging was not required. 1RC01BD INNER RADIUS ditional Regulatory Guide 1RC01BD | 1.147 conditio | NOTE 4 | | IRS EVT-1 VOL | ET | NRI |
| Enha 3-Q See Base 3-D Enha | B16.20 Section 2.5 ed on eddy B03.140 anced VT-1 B03.140 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING STEAM GENERATOR TUB 5 of report for examination de current test results, tube plu 1SG-08-SGN-16 PRIMARY INLET NOZZLE per Code Case 619 and add 1SG-08-SGN-17 | 1RC01BC LE INNER RADIUS ditional Regulatory Guide G 1RC01BD BING etails. gging was not required. 1RC01BD INNER RADIUS ditional Regulatory Guide 1RC01BD LE INNER RADIUS | 1.147 condition | NOTE 4 ns. NOTE 4 ns. NOTE 4 | 95.1 | IRS EVT-1 VOL IRS EVT-1 | ET | NRI |
| Enha | B16.20 Section 2.5 ed on eddy B03.140 anced VT-1 B03.140 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING STEAM GENERATOR TUB 5 of report for examination de current test results, tube plu 1SG-08-SGN-16 PRIMARY INLET NOZZLE per Code Case 619 and add 1SG-08-SGN-17 PRIMARY OUTLET NOZZI | 1RC01BC LE INNER RADIUS ditional Regulatory Guide G 1RC01BD BING etails. gging was not required. 1RC01BD INNER RADIUS ditional Regulatory Guide 1RC01BD LE INNER RADIUS | 1.147 condition | NOTE 4 ns. NOTE 4 ns. NOTE 4 | 95.1 | IRS EVT-1 VOL IRS EVT-1 | ET UT-45 | NRI NRI |
| Enha | B16.20 Section 2.5 ed on eddy B03.140 anced VT-1 B03.140 anced VT-1 | PRIMARY OUTLET NOZZ per Code Case 619 and add 1SG-08-1RC01BD TUBING STEAM GENERATOR TUB 5 of report for examination de current test results, tube plu 1SG-08-SGN-16 PRIMARY INLET NOZZLE per Code Case 619 and add 1SG-08-SGN-17 PRIMARY OUTLET NOZZI per Code Case 619 and add 1SI-02-37 | 1RC01BC LE INNER RADIUS ditional Regulatory Guide G 1RC01BD BING etails. gging was not required. 1RC01BD INNER RADIUS ditional Regulatory Guide 1RC01BD LE INNER RADIUS ditional Regulatory Guide | 1.147 condition | NOTE 4 ns. NOTE 4 ns. NOTE 4 ns. | 95.1 95.1 | IRS EVT-1 VOL IRS EVT-1 | | NRI NRI |

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| Cat. | ion XI Item ection Con | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|------|------------------------------|------------------------------------|-------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| mspe | CHON CON | inenta | | | | | | | |
| R-A | R01.11 | 1SI-17-01 PIPE - 3"X1½" REDUCER | 1RC30AB-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-17-02 VALVE 1SI8900B - PIPE | 1RC30AB-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-31-01 PIPE - REDUCER | 1RC30AA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-31-02 VALVE 1SI8900A - PIPE | 1RC30AA-1.5" | | NOTE 4 | | VT-2 | | NRI |

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SYSTEM: Residual Heat Removal System (RH)

| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|----------------|---|------------------------------|-------------------|------------------|------------------|---|----------------|-------------|
| Inspe | ection Com | ments | | | | | | | |
| B-G-2 | B07.70 | 1RH-02-1RH8701A (BLT) 1RH8701A GATE VALVE | 1RH01AA-12" (18 BLT) | | NOTE 3 | | VT-1 | VT-1 VT-1 | IND. NRI |
| | | ly-to-bonnet leak identified (et replacement recommende | | acid on va | lve body was | s cleaned and | d reinspected | by VT-1 | . Body- |
| C-A | C01.10 | 1RHX-01-1RHEC-01 (A HX SHELL - FLANGE | () 1RH02AA | | NOTE 4 | 50 | VOL | UT-45 UT-70 | NRI |
| Rein | spection ba | ised on LaSalle March 2008 | NRC finding (reference IR | 601691). R | einspection v | was performe | ed under ATI | 612176-0 | 02. |
| Risk | Evaluation | BB PRA-017.61A performed | d to address missed surveill | ance. | | | ورواء ورواد ورواء المستشفل والمستود والمستودة والمستشفل | | |
| C-A | C01.20 | 1RHX-01-1RHEC-02 (A HX SHELL - BOTTOM HEAD | () 1RH02AA | | NOTE 4 | 100 | VOL | UT-45 | NRI |
| Rein | spection ba | sed on LaSalle March 2008 | NRC finding (reference IR | 601691). R | einspection v | was performe | ed under ATI | 612176-0 |)2. |
| Risk | Evaluation | BB PRA-017.61A performed | | ance. | | | | | |
| C-B | C02.21 | 1RHX-01-1RHXN1 (A HX) NOZZLE - SHELL | 1RH02AA | I2R-07 | NOTE 4 | 100 | SUR | PT | NRI |
| VT-2 | examinatio | on per Relief Request I2R-07 | is performed under Class : | 2 periodic te | sting for RH | system. | | | |
| С-В | C02.21 | 1RHX-01-1RHXN1 (B HX) NOZZLE - SHELL | 1RH02AB | 12R-07 | NOTE 4 | 100 | SUR | PT | NRI |
| VT-2 | examinatio | on per Relief Request I2R-07 | is performed under Class 2 | 2 periodic te | sting for RH | system. | | | |
| C-B | C02.21 | 1RHX-01-1RHXN2 (A HX) NOZZLE - SHELL | 1RH02AA | I2R-07 | NOTE 4 | 100 | SUR | PT | NRI |
| VT-2 | examinatio | on per Relief Request I2R-07 | is performed under Class 2 | 2 periodic te | sting for RH | system. | | | |
| С-В | C02.21 | 1RHX-01-1RHXN2 (B HX) NOZZLE - SHELL | 1RH02AB | I2R-07 | NOTE 4 | 100 | SUR | PT | NRI |
| VT-2 | examinatio | on per Relief Request I2R-07 | is performed under Class 2 | 2 periodic te | sting for RH | system. | | | |

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| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Result |
|-------|----------------|--|----------------------------|-------------------|------------------|--|-----------------|----------------|--------|
| Inspe | ection Cor | nments | | | | | | | |
| R-A | R01.11 | 1CV-02-13 VALVE 1CV8377 - PIPE | 1RY18A-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-02-14 PIPE - ELBOW | 1RY18A-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-02-15 ELBOW - PIPE | 1RY18A-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-02-16 PIPE - ELBOW | 1RY18A-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-02-17 ELBOW - PIPE | 1RY18A-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1CV-02-18 PIPE - ELBOW | 1RY18A-2" | | NOTE 4 | described and all the control of the | VT-2 | | NRI |
| R-A | R01.11 | 1CV-02-19 ELBOW - PIPE | 1RY18A-2" | | NOTE 4 | | VT-2 | | NRI |
| B-E | B04.20 | 1PZR-01-HEATER PENE | T. 1RY01S | | | | VT-2 | | NRI |
| | | PRESSURIZER HEATER | PENETRATION | | | | BMV | | NRI |
| press | | al of heater penetrations (A upport surge nozzle dissimi | | | | | | | of the |
| B-D | B03.110 | 1PZR-01-N1 | 1RY01S | 12R-08 | NOTE 4 | 52.9 | VOL | UT-0 | NRI |
| | | PRESSURIZER - SURGE | NOZZLE | | | | | UT-45 | NRI |
| | | | | | | | VT-2 | | NRI |
| | | n was removed for surge line dief Request I2R-08. | e weld overlay making volu | ımetric examir | nation possib | ole. Examina | tion perform | ed to the | extent |
| B-D | B03.120 | 1PZR-01-N1 (NIR) | 1RY01S | I2R-08 | NOTE 4 | 100 | IRS | UT-35 | NRI |
| | | PRESSURIZER - SURGE | NOZZLE INNER RADIUS | i | | | | UT-50 | NRI |
| | | | | | | | | UT-55 | NRI |
| | | | | | | | VT-2 | | NRI |
| | | n was removed for surge line lief Request I2R-08. | e weld overlay making volu | ımetric examir | nation possib | ole. Examina | tion performe | ed to the | extent |

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SYSTEM: Reactor Coolant System (RY)

| Sec Cat. | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------------|-----------------|-------------------------------|-------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| Insp | ection Con | nments | | | | | | | |
| R-A | R01.11 | 1PZR-01-SE-01 | 1RY11A-14" | I2R-48 | NOTE 4 | 100 | BMV | BMV | NRI |
| | R01.15 | PZR SURGE NOZZLE - S | SAFE END | | | See Below | VOL-E | UT-0 | NRI |
| | MRP-139 | | | | | | | UT-60L | NRI |
| | | | | | | | | UT-70L | NRI |
| | | | | | | | | UT-45L | NRI |

Final ultrasonic examinations were performed on 10/12/2007 (Data Sheet A1R13-PN-01-SW-1). Examinations performed included 0 degree, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-01-SW-1) was as follows:

0 degree: 98.3%

Circumferential scans: 90.7%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle (Weld 1PZR-01-SE-01) was as follows:

Axial Scans: 100%

Circumferential Scans: 100%

R-A R01.15 1PZR-01-SE-02 1RY03AA-6" I2R-48 NOTE 4 VOL NRI

MRP-139 PZR "A" SAFETY NOZZLE - SAFE END

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-04-SW-4) was as follows:

0 degree: 98.4%

Circumferential scans: 94.5%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-02) was as follows:

Axial Scans: 99.7%

Circumferential Scans: 99.7%

R-A R01.15 1PZR-01-SE-03 1RY03AB-6" I2R-48 NOTE 4 VOL IND.

MRP-139 PZR "B" SAFETY NOZZLE - SAFE END

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-05-SW-5). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-05-SW-5) was as follows:

0 degree: 98.4%

Circumferential scans: 94.5%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Elbow weld (1PZR-01-SE-03) was as follows:

Axial Scans: 99.7%

Circumferential Scans: 99.7%

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SYSTEM: Reactor Coolant System (RY)

| Section XI Cat. Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Results |
|-------------------------|-------------------------------|-------------------|-------------------|------------------|------------------|-----------------|-------------|
| Inspection Com | nments | | | | | | |

R-A R01.15 1PZR-01-SE-04

1RY03AC-6"

12R-48 NOTE 4

VOL

NRI

MRP-139 PZR "C" SAFETY NOZZLE - SAFE END

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-06-SW-6) was as follows:

0 degree: 97%

Circumferential scans: 90%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-04) was as follows:

Axial Scans: 100%

Circumferential Scans: 100%

R-A R01.11 1PZR-01-SE-05

1RY01B-6"

12R-48 NOTE 4

VOL-E

NRI

R01.15 PZR SPRAY NOZZLE - SAFE END

MRP-139

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-02-SW-2). Examinations performed included 0 degree, 33 degree refracted L-wave, 35 degree refracted L-wave, 40 degree refracted L-wave, 43 degree refracted L-wave, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-02-SW-2) was as follows:

0 degree: 98.9%

Circumferential scans: 97.5%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Reducer Weld (1PZR-01-SE-05) was as follows:

Axial Scans: 100%

Circumferential Scans: 100%

R-A R01.15 1PZR-01-SE-06

1RY02A-6"

12R-48 NOTE 4

VOL

NRI

MRP-139 PZR RELIEF NOZZLE - SAFE END

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-03-SW-3). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-03-SW-3) was as follows:

0 degree: 96.3%

Circumferential scans: 92.4%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-06) was as follows:

Axial Scans (both welds): 100%

Circumferential Scans (both welds): 100%

| R-A | R01.11 | 1RC-05-02 PIPE - PIPE | 1RY11A-14" | NOTE 4 | 100 | VOL-E | UT-45 | NRI |
|-----|--------|---------------------------|------------|--------|-----|-------|-------|-----|
| R-A | R01.20 | 1RC-32-05 PIPE - ELBOW | 1RY03AA-6" | NOTE 4 | 100 | VOL-E | UT-45 | NRI |

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SYSTEM: Safety Injection System (SI)

| 1 | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|----------------|------------------------------------|----------------------|-------------------|-------------------|------------------|-----------------|----------------|---------|
| Inspe | ection Con | nments | I | | | | | | |
| R-A | R01.11 | 1SI-07-06 PIPE - ELBOW | 1SI08FA-3" | | NOTE 4 NOTE 20 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.11 | 1SI-07-07 ELBOW - PIPE | 1SI08FA-3" | | NOTE 4 NOTE 20 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.11 | 1SI-07-08 PIPE - ELBOW | 1SI08FA-3" | | NOTE 4 NOTE 20 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.11 | 1SI-07-11 PIPE - BEND | 1SI08FA-3" | | NOTE 4 NOTE 20 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.11 | 1SI-07-13 PIPE - BEND | 1SI08FA-3" | | NOTE 4 NOTE 20 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.11 | 1SI-07-14 PIPE - ELBOW | 1SI08FA-3" | | NOTE 4 NOTE 20 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.11 | 1SI-10-25 PIPE - ELBOW | 1SI18FC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-10-26.01 ELBOW - PIPE | 1SI18FC-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-18-23 VALVE 1SI8810B - PIPE | 1SI08JB-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-18-24 PIPE - ELBOW | 1SI08JB-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-18-25 ELBOW - PIPE | 1SI08JB-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-18-26 PIPE - ELBOW | 1SI08JB-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-01 BRANCH CONNECTION - | 1SI08GA-1.5" PIPE | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-06 COUPLING - PIPE | 1SI08HA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-07 PIPE - FLANGE | 1SI08HA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-08 FLANGE - PIPE | 1SI08HA-2" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-14 PIPE - ELBOW | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-15 ELBOW - PIPE | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-16 PIPE - VALVE 1SI8810A | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-17 VALVE 1SI8810A - PIPE | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |

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SYSTEM: Safety Injection System (SI)

| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------|----------------|-------------------------------|-------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| Inspe | ection Con | nments | | | | | | | |
| R-A | R01.11 | 1SI-19-18 PIPE - FLANGE | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-20 PIPE - ELBOW | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-22 PIPE - ELBOW | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-23 ELBOW - PIPE | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.11 | 1SI-19-24 PIPE - ELBOW | 1SI08JA-1.5" | | NOTE 4 | | VT-2 | | NRI |
| R-A | R01.20 | 1SI-24-15BA PIPE - ELBOW | 1SI06BA-24" | | NOTE 4 NOTE 7 | 100 | VOL-E | UT-45 | NRI |
| R-A | R01.20 | 1SI-24-20BA ELBOW - PIPE | 1SI06BA-24" | | NOTE 4 NOTE 7 | 100 | VOL-E | UT-45 | NRI |

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SYSTEM: Reactor Coolant System (RY)

| Sec Cat. | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results |
|-------------|-----------------|-------------------------------|-------------------|-------------------|------------------|------------------|-----------------|----------------|---------|
| Insp | ection Com | nments | | | | | | | |
| R-A | R01.11 | 1PZR-01-SE-01 | 1RY11A-14" | 12R-48 | NOTE 4 | | SUR | BMV | NRI |
| | R01.15 | PZR SURGE NOZZLE - S | AFE END | | | 100 | SUR | PT | IND. |
| | MRP-139 | | | | | | | PT | NRI |
| | | | | | | | VOL-E | | NRI |

Bare metal visual examination prior to weld overlay as committed under Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/12/2007. One indication (1/8 inch X 1/32 inch) located 36.5 inches from 0 degree mark on pipe-side outside diameter (OD), approximately 290 degrees was noted under Report 900638-PT-013. Area was lightly blended, reexamined by liquid penetrant, and acceptable per Report 900638-PT-014.

Final ultrasonic examinations were performed on 10/12/2007 (Data Sheet A1R13-PN-01-SW-1). The examinations performed included 0 degree, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-01-SW-1) was as follows:

0 degree: 98.3%

Circumferential scans: 90.7%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-01) was as follows:

Axial Scans: 100%

Circumferential Scans: 100%

| | ~~~,,, | | | | | | | | | |
|-----|---------|------------------|------------------|--------|--------|-----|-----|-----|------|--|
| R-A | R01.15 | 1PZR-01-SE-02 | 1RY03AA-6" | I2R-48 | NOTE 4 | | BMV | BMV | NRI | |
| | MRP-139 | PZR "A" SAFETY N | OZZLE - SAFE END | | | 100 | SUR | PT | NRI | |
| | | | | | | | VOL | | NIDI | |

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. No recordable indications were noted under Report 900638-PT-015

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-04-SW-4) was as follows:

0 degree: 98.4%

Circumferential scans: 94.5%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-02) was as follows:

Axial Scans: 99.7%

Circumferential Scans: 99.7%

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SYSTEM: Reactor Coolant System (RY)

| Sec Cat. | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results | | | |
|-------------|---------------------|--|----------------------------|-------------------|------------------|------------------|-------------------|----------------|-------------------|--|--|--|
| Insp | Inspection Comments | | | | | | | | | | | |
| R-A | R01.15 MRP-139 | 1PZR-01-SE-03 PZR "B" SAFETY NOZZLE | 1RY03AB-6" E - SAFE END | 12R-48 | NOTE 4 | 100 | BMV SUR VOI | BMV PT | NRI NRI IND | | | |

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. Two recordable rounded indications (0.35 inch by 0.30 inch and 0.17 inch by 0.40 inch) were noted under Report 900638-PT-016. Both areas were buffed and reexamined by liquid penetrant and no relevant indications were noted under Report 900638-PT-019.

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-05-SW-5). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-05-SW-5) was as follows:

0 degree: 98.4%

Circumferential scans: 94.5%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle weld (1PZR-01-SE-03) was as follows:

Axial Scans: 99.7%

Circumferential Scans: 99.7%

| R-A | R01.15 | 1PZR-01-SE-04 | 1RY03AC-6" | I2R-48 | NOTE 4 | i | BMV | BMV | NRI |
|-----|---------|----------------|-------------------|--------|--------|---|-----|-----|------|
| | MRP-139 | PZR "C" SAFETY | NOZZLE - SAFE END | | | : | SUR | PT | IND. |
| | | | | | | | | PT | NRI |
| | | | | | | , | VOL | | NRI |

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. One recordable linear indication (0.50 inches long by 0.062 inches wide) was noted under Report 900638-PT-017. The area were buffed and reexamined by liquid penetrant and no relevant indications were noted under Report 900638-PT-020.

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-06-SW-6). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-06-SW-6) was as follows:

0 degree: 97%

Circumferential scans: 90%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld (1PZR-01-SE-04) was as follows:

Axial Scans: 100%

Circumferential Scans: 100%

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SYSTEM: Reactor Coolant System (RY)

| Sect | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | Actual Exam | Results | | | | |
|-------|---------------------|-------------------------------|-----------------------------|-------------------|------------------|------------------|-----------------|----------------|---------|--|--|--|--|
| Inspe | Inspection Comments | | | | | | | | | | | | |
| R-A | R01.11 | 1PZR-01-SE-05 | 1RY01B-6" | I2R-48 | NOTE 4 | | BMV | BMV | NRI | | | | |
| | R01.15 | PZR SPRAY NOZZLE - SA | PZR SPRAY NOZZLE - SAFE END | | | 100 | SUR | PT | NRI | | | | |
| | MRP-139 | | | | | | VOL | | NRI | | | | |

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/18/2007, acceptable per Report 900638-PT-024.

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-02-SW-2). Examinations performed included 0 degree, 33 degree refracted L-wave, 35 degree refracted L-wave, 40 degree refracted L-wave, 43 degree refracted L-wave, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-02-SW-2) was as follows:

0 degree: 98.9%

Circumferential scans: 97.5%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle Weld 1PZR-01-SE-05 was as follows:

Axial Scans (both welds): 100%

Circumferential Scans (both welds): 100%

| R-A | R01.15 | 1PZR-01-SE-06 | 1RY02A-6" | 12R-48 | NOTE 4 | | BMV | BMV | NRI | |
|-----|---------|-------------------|------------|--------|--------|-----------|-----|-----|-----|--|
| | MRP-139 | PZR RELIEF NOZZLE | - SAFE END | | | 100 | SUR | PT | NRI | |
| | | | | | | See Below | VOL | | NRI | |

Bare metal visual examination performed prior to weld overlay in accordance with Exelon response to NRC Bulletin 2004-01 and as committed in Relief Request I2R-48.

Final liquid penetrant of completed weld overlay performed on 10/13/2007. No relevant indications were noted under Report 900638-PT-018.

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-03-SW-3). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-03-SW-3) was as follows:

0 degree: 96.3%

Circumferential scans: 92.4%

Axial Scans: 100%

Post overlay coverage (PSI and ISI) for Safe End-to-Nozzle and Safe End-to-Pipe welds was as follows:

Axial Scans (both welds): 100%

Circumferential Scans (both welds): 100%

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SYSTEM: Reactor Coolant System (RY)

| Secti Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | | Results |
|---------------|----------------|-------------------------------|-------------------|-------------------|------------------|------------------|-----|---------|
| Inspe | ction Con | nments | | | | | | |
| R-A | R01.11 | 1RC-05-01 | 1RY11A-14" | I2R-48 | NOTE 4 | 100 | VOL | NRI |

PZR SAFE END - PIPE

Final ultrasonic examinations were performed on 10/12/2007 (Data Sheet A1R13-PN-01-SW-1). Examinations performed included 0 degree, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-01-SW-1) was as follows:

0 degree: 98.3%

Circumferential scans: 90.7%

Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Pipe Weld 1RC-05-01 was as follows:

Axial Scans (both welds): 100%

Circumferential Scans (both welds): 100%

R01.11 1RC-16-01 1RY01C-4"

12R-48 NOTE 4 VOL-E

NRI

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-02-SW-2). Examinations performed included 0 degree, 33 degree refracted L-wave, 35 degree refracted L-wave, 40 degree refracted L-wave, 43 degree refracted L-wave, 45 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave.

Coverage for Weld Overlay Examination (PN-02-SW-02) was as follows:

6"X4" REDUCER - SAFE END

0 degree: 98.9%

Circumferential scans: 97.5%

Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Reducer Weld 1RC-16-01 was as follows:

Axial Scans (both welds): 100%

Circumferential Scans (both welds): 100%

R-A R01.20

1RC-32-01

1RY03AA-6"

12R-48 NOTE 4 VOL-E

PT

IND.

SAFE END - ELBOW

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-04-SW-4). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-04-SW-4) was as follows:

0 degree: 98.4%

Circumferential scans: 94.5%

Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow weld (1RC-32-01) was as follows:

Safe End-to-Elbow Axial Scans: 99.5%

Circumferential Scans: 99.5%

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SYSTEM: Reactor Coolant System (RY)

| Section XI Cat. Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Code Coverage | Exam Summary | | Results | | |
|-------------------------|-------------------------------|-------------------|-------------------|------------------|------------------|-----------------|--|---------|--|--|
| Inspection Comments | | | | | | | | | | |

R01.20 1RC-32-07 R-A

1RY03AB-6"

12R-48 NOTE 4 VOL-E

IND.

SAFE END - ELBOW

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-05-SW-5). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. One laminar indication (0.3 square inches) was noted under the 0 degree scan. This indication is below the IWB-3514-3 Acceptance Standard of 7.5 square inches and is acceptable.

Coverage for Weld Overlay Examination (PN-05-SW-5) was as follows:

0 degree: 97.9%

Circumferential scans: 90.1%

Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow weld (1RC-32-07) was as follows:

Axial Scans: 98.9%

Circumferential Scans: 98.8%

R-A R01.20 1RC-32-13 1RY03AC-6"

12R-48 NOTE 4 VOL-E

NRI

SAFE END - ELBOW

Final ultrasonic examinations were performed on 10/13/2007 (Data Sheet A1R13-PN-06-SW-6). Examinations performed included 0 degree. 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-06-SW-6) was as follows:

0 degree: 97%

Circumferential scans: 90%

Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow Weld (1RC-32-13) was as follows:

Axial Scans: 100%

Circumferential Scans: 100%

R-A R01.20 1RC-35-01

1RY02A-6"

12R-48 NOTE 4

VOL

NRI

SAFE END - ELBOW

Final ultrasonic examinations were performed on 10/18/2007 (Data Sheet A1R13-PN-03-SW-3). Examinations performed included 0 degree, 45 degree refracted L-wave, 50 degree refracted L-wave, 60 degree refracted L-wave, 70 degree refracted L-wave, and OD creeping wave. No indications were noted during final UT.

Coverage for Weld Overlay Examination (PN-03-SW-3) was as follows:

0 degree: 96.3%

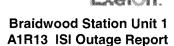
Circumferential scans: 92.4%

Axial Scans: 100%

Coverage (PSI and ISI) for Safe End-to-Elbow (1RC-35-01) was as follows:

Axial Scans (both welds): 100%

Circumferential Scans (both welds): 100%



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SYSTEM: Chemical & Volume Control System (CV)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--------------------------------------|---------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.10 | 1RY06095V (1) Variable Spring Can | 1CV45B-2" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V1 | Γ-3 examination per Code Case N- | 504-2 requirements. | | | | |



Section 3.2 Detailed Inservice Inspection Component Support Listing

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SYSTEM: Reactor Coolant System (RC)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--------------------------------------|---------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.10 | 1RY06013V (1) Variable Spring Can | 1RC24AA-4" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V | Г-3 examination per Code Case N | 504-2 requirements. | | | | |



Section 3.2 Detailed Inservice Inspection Component Support Listing

(Page 3 of 9)

SYSTEM: Residual Heat Removal System (RH)

| | on XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|---------------|--|--------------------------------------|-------------------|------------------|-----------------|---------|
| Inspe | ction Cor | nments | | | | | |
| F-A | F01.20 | 1AB-064A Anchor, integrally attached to pipe | 1RH02AA-8" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.20 | 1RH01005V (1) Variable Spring Can | 1RH03AA-8" | | NOTE 8 | VT-3 | NRI |
| Cold: | 364# | Hot: 348# | | | | | |
| accep | otable. Re | g (cold with system not in operation) i eference design drawing M-999 (Com ant / varible spring cans shall be with | ponent Support Installation Guidelii | nes and Tole | rances Sheet | 12, Note 11B. | |
| F-A | F01.20 | 1RH07004R | 1RH02AA-8" | | NOTE 8 | VT-3 | NRI |
| | | Box | | | | | |
| Gaps | not verifie | ed, buried in insulation. | | | | | |



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SYSTEM: Reactor Coolant System (RY)

| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|----------------|---|-----------------------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.10 | 1RY05001V (1) Variable Spring Can I-3 examination per Code Case N-504 | 1RY11A-14" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1RY05009V (1) Variable Spring Can | 1RY11A-14" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V1 | T-3 examination per Code Case N-504 | 1-2 requirements. | | | | |
| F-A | F01.10 | 1RY06024C (1) Constant Spring Can | 1RY01B-6" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V1 | T-3 examination per Code Case N-504 | 1-2 requirements. | | | | |
| F-A | F01.10 | 1RY06028C (1) Constant Spring Can | 1RY01B-6" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V1 | -3 examination per Code Case N-504 | 1-2 requirements. | | | | |
| F-A | F01.10 | 1RY06101C (1) Constant Spring Can | 1RY01B-6" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V1 | -3 examination per Code Case N-504 | 1-2 requirements. | | | | |
| F-A | F01.10 | 1RY09003C (1) Constant Spring Can | 1RY02B-3 ^a | | NOTE 8 | VT-3 | NRI |
| Post | overlay VT | -3 examination per Code Case N-504 | I-2 requirements. | | | | |
| F-A | F01.10 | 1RY09030C (1) Constant Spring Can | 1RY03AA-6" | | NOTE 8 | VT-3 | NRI |
| Supp | ort interfer | ence to weld overlay project, clamp re | emoved and reinstalled upon compl | etion of over | rlay. | | |

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| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|---|--|--|--|--------------------|--|---------------------------------------|---------------------------|
| Insp | ection Cor | mments | | | | | |
| F-A | F01.20 | 1PC-026A | 1SI08D-3" | | NOTE 8 | VT-3 | NRI |
| Note | e: Scope o | Anchor, integrally attached of examination included the po | to pipe rtions of the specified penetration loca | ated outside the c | ontainment. | | |
| Mine | or surface i | rust penetration (No wastage o | or loss of material) | | | | |
| F-A | F01.20 | 1PC-050A Anchor, integrally attached | 1SI05BA-8" to pipe | | NOTE 8 | VT-3 | NRI |
| Con | tainment. F | | f wastage or loss of materials. Direct l d from a distance of 12' away from th | | | | |
| =-A | F01.10 | 1RB-315A Anchor, integrally attached | 1SI08JB-1.5" to pipe | | NOTE 8 | VT-3 | NRI |
| | | | ns of penetration / anchorage accessil ween R-16 and R-17). Also examined | | | | 13' |
| F-A | F01.20 | 1RH02029R (1) Strut | 1SI04B-12" | | NOTE 8 | VT-3 | NRI |
| | e: Lower a away) | ttachment (pipe clamp and for | ward strut attachment examined direc | et, upper attachme | ent examined | remote from a | distance |
| | E04.00 | 1 DU000011/ | 1SI04B-12" | | NOTE 0 | VT-3 | NRI |
| - -A | F01.20 | 1RH02031V | 15104D-12 | | NOTE 8 | V 1-3 | 14111 |
| Colc | l: 2804 lbs | (1) Variable Spring Can Hot: 2654 lbs. | | a M-999 Sheet 12 | | | |
| Cold As fi Insta +/-5 | f: 2804 lbs ound load s allation Gui % (100 Lbs | (1) Variable Spring Can by Hot: 2654 lbs. setting: 2850 lbs. (As found sometimes and Tolerances) which will be the Hot / Cold | etting is acceptable per design drawin n states: "The setting of constant / va Load specified by the A.E. | | 2 Note 11.B. (i shall be within | Component Su | pport |
| Colo As fi Insta +/-5 | f: 2804 lbs ound load s allation Gui | (1) Variable Spring Can b. Hot: 2654 lbs. setting: 2850 lbs. (As found so delines and Tolerances) which and Maximum) of the Hot / Cold 1SI04001V | etting is acceptable per design drawin n states: "The setting of constant / va | | 2 Note 11.B. (| Component Su | |
| Colo As fi Insta +/-5 | d: 2804 lbs ound load sallation Gui % (100 Lbs F01.10 | (1) Variable Spring Can by Hot: 2654 lbs. setting: 2850 lbs. (As found sometimes and Tolerances) which will be the Hot / Cold | etting is acceptable per design drawin n states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" | | 2 Note 11.B. (i shall be within | Component Su | pport |
| Cold As for Insta +/-5 A Spe Item | d: 2804 lbs ound load s allation Gui % (100 Lbs F01.10 cified Varia | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found so delines and Tolerances) which is. Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans able Spring Settings per Design Load setting 2364# / Hot Load | etting is acceptable per design drawin n states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" n Drawing: | rible spring cans | 2 Note 11.B. (cshall be within NOTE 8 | Component Su VT-3 | pport |
| Cold As fi Insta +/-5 -A Spe Item | d: 2804 lbs ound load sallation Gui % (100 Lbs F01.10 cified Varia 14: Cold | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found so delines and Tolerances) which Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans able Spring Settings per Design Load setting 2364# / Hot Load | etting is acceptable per design drawin n states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" n Drawing: I setting 2336# Item 19: Cold Load s | rible spring cans | 2 Note 11.B. (ishall be within NOTE 8 | Component Su VT-3 2195# | pport NRI |
| Colc As fi Insta +/-5 F-A Spe Item As F | d: 2804 lbs ound load sallation Gui % (100 Lbs F01.10 cified Varia 14: Cold | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found sometimes and Tolerances) which Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans able Spring Settings per Design Load setting 2364# / Hot Load ngs: Item 14 Cold Load 2280, 1SI07008G Box | etting is acceptable per design drawin in states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" in Drawing: If setting 2336# Item 19: Cold Load s Item 19 Cold Load 2250 1SI08CA-4" | rible spring cans | 2 Note 11.B. (cshall be within NOTE 8 | Component Su VT-3 | pport |
| Colc As fi Insta +/-5 A Spe Item As F A W: | d: 2804 lbs ound load s allation Gui % (100 Lbs F01.10 ciffied Varia 14: Cold Found settir F01.20 Minor Coat | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found so delines and Tolerances) which Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans able Spring Settings per Design Load setting 2364# / Hot Load hgs: Item 14 Cold Load 2280, 1SI07008G Box ling Damage (Chips and Scrat | etting is acceptable per design drawin n states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" In Drawing: I setting 2336# Item 19: Cold Load s Item 19 Cold Load 2250 1SI08CA-4" | rible spring cans | 2 Note 11.B. (call be within NOTE 8 toad setting NOTE 8 | Component Su VT-3 2195# VT-3 | pport NRI NRI |
| Cold As fi Insta +/-5 =-A Spe Item As F =-A W: | d: 2804 lbs ound load sallation Gui % (100 Lbs F01.10 cified Varia 14: Cold | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found sometimes and Tolerances) which Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans able Spring Settings per Design Load setting 2364# / Hot Load ngs: Item 14 Cold Load 2280, 1SI07008G Box | etting is acceptable per design drawin in states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" in Drawing: If setting 2336# Item 19: Cold Load s Item 19 Cold Load 2250 1SI08CA-4" | rible spring cans | 2 Note 11.B. (ishall be within NOTE 8 | Component Su VT-3 2195# | pport NRI |
| As for Install As for Item As F | d: 2804 lbs ound load s allation Gui % (100 Lbs F01.10 ciffied Varia 14: Cold Found settir F01.20 Minor Coat | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found so delines and Tolerances) which is. Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans Load setting 2364# / Hot Load hgs: Item 14 Cold Load 2280, 1SI07008G Box Ling Damage (Chips and Scrat 1SI07011R | etting is acceptable per design drawin n states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" In Drawing: I setting 2336# Item 19: Cold Load s Item 19 Cold Load 2250 1SI08CA-4" | rible spring cans | 2 Note 11.B. (call be within NOTE 8 toad setting NOTE 8 | Component Su VT-3 2195# VT-3 | pport NRI NRI |
| Colc As fi Insta +/-5 -A Spe Item As F -A W: | d: 2804 lbs ound load sallation Gui % (100 Lbs F01.10 cified Varia 14: Cold found settin F01.20 Minor Coat F01.20 | (1) Variable Spring Can i. Hot: 2654 lbs. setting: 2850 lbs. (As found some delines and Tolerances) which is. Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans able Spring Settings per Design Load setting 2364# / Hot Load angs: Item 14 Cold Load 2280, 1SI07008G Box sing Damage (Chips and Scrate 1SI07011R (1) Strut 1SI09052G | etting is acceptable per design drawin states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" In Drawing: I setting 2336# Item 19: Cold Load setting 2336# Item 19: Cold Load setting 236# Item 236# I | rible spring cans | 2 Note 11.B. (In shall be within NOTE 8 the Load setting NOTE 8 the NOTE 8 th | VT-3 VT-3 VT-3 | pport NRI NRI |
| Colc As filnstr +/-5 =-A Spe Item As F =-A W: =-A | d: 2804 lbs ound load sallation Gui % (100 Lbs F01.10 cified Varia 14: Cold found settin F01.20 Minor Coat F01.20 F01.20 | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found so delines and Tolerances) which is. Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans lable Spring Settings per Design Load setting 2364# / Hot Load lags: Item 14 Cold Load 2280, 1SI07008G Box ling Damage (Chips and Scratt 1SI07011R (1) Strut 1SI09052G Box 1SI18027R Box | etting is acceptable per design drawin in states: "The setting of constant / valued specified by the A.E. 1SI09BB-10" In Drawing: If setting 2336# Item 19: Cold Load setting 2336# Item 19: Cold Load setting 250 1SI08CA-4" Iches No corrosion or other degradation 1SI08B-4" 1SI05BB-8" | rible spring cans | 2 Note 11.B. (I shall be within NOTE 8 t Load setting NOTE 8 NOTE 8 | VT-3 VT-3 VT-3 VT-3 | pport NRI NRI NRI NRI |
| Colc As filnstr +/-5 =-A Spe Item As F =-A W: =-A | d: 2804 lbs ound load sallation Gui % (100 Lbs F01.10 cified Varia 14: Cold found settin F01.20 Minor Coat F01.20 F01.20 | (1) Variable Spring Can Hot: 2654 lbs. setting: 2850 lbs. (As found so delines and Tolerances) which is. Maximum) of the Hot / Cold 1SI04001V (2) Variable Spring Cans lable Spring Settings per Design Load setting 2364# / Hot Load lags: Item 14 Cold Load 2280, 1SI07008G Box ling Damage (Chips and Scratt 1SI07011R (1) Strut 1SI09052G Box 1SI18027R Box | etting is acceptable per design drawin in states: "The setting of constant / va Load specified by the A.E. 1SI09BB-10" In Drawing: If setting 2336# Item 19: Cold Load s Item 19 Cold Load 2250 1SI08CA-4" Iches No corrosion or other degradation 1SI08B-4" 1SI05BB-8" | rible spring cans | 2 Note 11.B. (I shall be within NOTE 8 t Load setting NOTE 8 NOTE 8 | VT-3 VT-3 VT-3 VT-3 | pport NRI NRI NRI |

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| Cat. | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------------------|---|--|---|------------------------|--|--------------------------|--------------------------|
| Inspe | ection Cor | nments | | | | | |
| | F01.20 | | 1SI02BB-6" | o 11 D /The co#in - | NOTE 8 | VT-3 | NRI : |
| | | | sign Drawing M-999 Sheet 12, Note Cold Load specified by the A.E. | e 11.B (The setting of | r constant / va | irible spring cal | ns snail be |
| F-A | F01.10 | 1SI19015X Box | 1SI08JB-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI19018G U-Bolt | 1SI08JB-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI19022R (1) Strut | 1SI08JB-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI20046R (1) Strut | 1SI08JC-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI21016X (1) Strut | 1SI08JC-1.5* | | NOTE 8 | VT-3 | NRI |
| F-A | F01.20 | 1SI21031X (1) Strut | 1SI08D-3" | | NOTE 8 | VT-3 | NRI |
| | | * / | embly and clamp examined direct. | Upper attachments | including auxi | llary steel exan | nined |
| F-A | F01.10 | 1SI21040G U-Bolt | 1SI08HC-2" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | | | | | | |
| | 101.10 | 1SI22022G U-Bolt | 1SI08JD-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | | 1Sl08JD-1.5" | | NOTE 8 | VT-3 | NRI NRI |
| | | U-Bolt 1SI22030R | | | | | |
| F-A | F01.10 | U-Bolt 1SI22030R (1) Strut 1SI23003R | 1SI08JD-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A F-A | F01.10 | U-Bolt 1SI22030R (1) Strut 1SI23003R Box 1SI23006G | 1SI08JD-1.5" 1SI08FA-3" | | NOTE 8 | VT-3 | NRI NRI |
| F-A F-A F-A | F01.10 F01.10 F01.10 | U-Bolt 1SI22030R (1) Strut 1SI23003R Box 1SI23006G U-Bolt 1SI23009X | 1SI08JD-1.5" 1SI08FA-3" 1SI08FA-3" | | NOTE 8 NOTE 8 | VT-3 VT-3 VT-3 | NRI NRI NRI |
| F-A F-A F-A | F01.10 F01.10 F01.10 F01.10 | U-Bolt 1SI22030R (1) Strut 1SI23003R Box 1SI23006G U-Bolt 1SI23009X (1) Strut 1SI23010G U-Bolt 1SI23011R | 1SI08JD-1.5" 1SI08FA-3" 1SI08FA-3" | | NOTE 8 NOTE 8 NOTE 8 | VT-3 VT-3 VT-3 | NRI NRI NRI |
| F-A F-A | F01.10 F01.10 F01.10 F01.10 F01.10 | U-Bolt 1SI22030R (1) Strut 1SI23003R Box 1SI23006G U-Bolt 1SI23009X (1) Strut 1SI23010G U-Bolt 1SI23011R (2) Struts 1SI24002G | 1SI08JD-1.5" 1SI08FA-3" 1SI08FA-3" 1SI08FA-3" | | NOTE 8 NOTE 8 NOTE 8 NOTE 8 | VT-3 VT-3 VT-3 VT-3 | NRI NRI NRI NRI |
| F-A F-A F-A | F01.10 F01.10 F01.10 F01.10 F01.10 F01.10 | U-Bolt 1SI22030R (1) Strut 1SI23003R Box 1SI23006G U-Bolt 1SI23009X (1) Strut 1SI23010G U-Bolt 1SI23011R (2) Struts | 1SI08JD-1.5" 1SI08FA-3" 1SI08FA-3" 1SI08FA-3" 1SI08FA-3" | | NOTE 8 NOTE 8 NOTE 8 NOTE 8 NOTE 8 | VT-3 VT-3 VT-3 VT-3 VT-3 | NRI NRI NRI NRI |

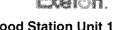


A1R13 ISI Outage Report

Section 3.2 Detailed Inservice Inspection Component Support Listing

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| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|-------------------------------|-------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.10 | 1SI24015G Strap | 1SI08JA-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI25052X (1) Strut | 1SI08JB-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI25053R (1) Rod | 1SI08HB-2" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI25055G (2) Struts | 1SI08GB-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI25058G U-Bolt | 1SI08JA-1.5" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.10 | 1SI25059X (1) Strut | 1SI08FA-3" | | NOTE 8 | VT-3 | NRI |



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SYSTEM: Essential Service Water System (SX)

| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|-----------------|----------------------------------|--|-------------------|------------------|-----------------|---------|
| Insp | ection Cor | nments | - | | | | |
| F-A | F01.20 | 1SX06001R (2) Struts | 1SX06BA-16" | | NOTE 8 | VT-3 | NRI |
| F-A | F01.20 | 1SX06004G (2) Struts | 1SX06CA-14" | | NOTE 8 | VT-3 | NRI |
| Corr | osion, surf | ace rust exists on components. | No evidence of wastage or loss of | material. | | | |
| F-A | F01.20 | 1SX06037X (1) Strut | 1SX06FA-10" | | NOTE 8 | VT-3 | NRI |
| In 1 | A RCFC | | | | | | |
| F-A | F01.20 | 1SX08007G Slide Plate | 1SX07EA-14" | | NOTE 8 | VT-3 | NRI |
| Rem | ote exam | performed from 377' elevation (1 | 12' Away) | | | | |
| Corr | osion, surf | ace rust exists on components, | No evidence of wastage or loss of r | material. | | | |
| F-A | F01.20 | 1SX09012G Box and Strut | 1SX07EB-14" | | NOTE 8 | VT-3 | NRI |
| Corr | osion, surf | ace rust exists on components, | No evidence wastage or loss of ma | terial. | | | |
| Rem | ote examir | nation performed from the 377' E | Elevation (14' Away) | | | | |
| F-A | F01.20 | 1SX09013G Slide Plate | 1SX07CB-10" | | NOTE 8 | VT-3 | NRI |
| | | | No evidence of wastage or loss of relevation (distance of 13' away). | naterial. | | | |
| F-A | F01.20 | 1SX09014R Slide Plate | 1SX07CB-10" | | NOTE 8 | VT-3 | NRI |
| Corr | osion, surfa | | No evidence of wastage or loss of n | material. | | | |
| Rom | oto Evami | nation Performed from the 377' | alevation (distance of 13' away) | | | | |
| F-A | F01.20 | 1SX09044X | 1SX09CB-10" | | NOTE 8 | VT-3 | NRI |
| 0 | | (1) Strut | Na svidelama a stovenska se meda se stovenska | | | | |
| | | | No evidence of wastage or loss of n | пателат. | NOTE | \ <i>T</i> 0 | |
| F-A | F01.20 | 1SX09057X (1) Strut | 1SX07FB-16" | | NOTE 8 | VT-3 | NRI |
| In R | | | | | | | |
| F-A | F01.20 | 1SX09101G (2) Struts | 1SX07CD-10" | | NOTE 8 | VT-3 | NRI |
| Corre | osion, surfa | ace rust exists on components, I | No evidence of wastage or loss of m | naterial. | | | |
| F-A | F01.20 | 1SX09108G (2) Struts | 1SX07CB-10" | | NOTE 8 | VT-3 | NRI |
| Corre | osion, surfa | ace rust exists on components, I | No evidence of wastage or loss of m | naterial. | | | |



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SYSTEM: Primary Containment Purge System (VQ)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--------------------------------|-------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.20 | 1VQ02001G Box | 1VQ04A-8" | | | VT-3 | NRI |
| F-A | F01.20 | 1VQ03001R Box | 1VQ05A-8" | | | VT-3 | NRI |
| ACT | UAL EPN | IS 1VQ03001G (BOX TYPE RIGID G | JIDE) | | | | |



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SYSTEM: Chemical & Volume Control System (CV)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--------------------------------------|---------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.10 | 1RY06095V (1) Variable Spring Can | 1CV45B-2" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V | Γ-3 examination per Code Case N | 504-2 requirements. | | | | |



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SYSTEM: Reactor Coolant System (RC)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--------------------------------------|----------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Cor | mments | | | | | |
| F-A | F01.10 | 1RY06013V (1) Variable Spring Can | 1RC24AA-4" | | NOTE 8 | VT-3 | NRI |
| Post | overlay V | T-3 examination per Code Case N | -504-2 requirements. | | | | |

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SYSTEM: Reactor Coolant System (RY)

| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|----------------|--|----------------------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Com | ments | | | | | |
| F-A | F01.10 | 1RY05001V (1) Variable Spring Can | 1RY11A-14" | | NOTE 8 | VT-3 | NRI |
| Post | overlay VI | -3 examination per Code Case N-504 | -2 requirements. | | | | |
| F-A | F01.10 | 1RY05009V (1) Variable Spring Can | 1RY11A-14" | | NOTE 8 | VT-3 | NRI |
| Post | overlay VT | -3 examination per Code Case N-504 | -2 requirements. | | | | |
| F-A | F01.10 | 1RY06024C (1) Constant Spring Can | 1RY01B-6" | | NOTE 8 | VT-3 | NRI |
| Post | overlay VT | -3 examination per Code Case N-504 | -2 requirements. | | | | |
| F-A | F01.10 | 1RY06028C (1) Constant Spring Can | 1RY01B-6" | | NOTE 8 | VT-3 | NRI |
| Post | overlay VT | -3 examination per Code Case N-504 | -2 requirements. | | | | |
| F-A | F01.10 | 1RY06101C (1) Constant Spring Can | 1RY01B-6" | | NOTE 8 | VT-3 | NRI |
| Post | overlay VT | -3 examination per Code Case N-504 | -2 requirements. | | | | |
| F-A | F01.10 | 1RY09003C (1) Constant Spring Can | 1RY02B-3" | | NOTE 8 | VT-3 | NRI |
| Post | overlay VT | -3 examination per Code Case N-504 | -2 requirements. | | | | |
| F-A | F01.10 | 1RY09030C (1) Constant Spring Can | 1RY03AA-6" | | NOTE 8 | VT-3 | NRI |
| Supp | ort interfer | ence to weld overlay project, clamp re | moved and reinstalled upon compl | etion of over | lay. | | |



Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Chemical & Volume Control System (CV)

| Sectorat. | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-----------|-----------------|-------------------------------|-------------------|-------------------|------------------|----------------------------|-------------------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.10 | 1CV16008S Snubber | 1CVA3AB-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV16009S Snubber | 1CVA7AB-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV25009S Snubber | 1CVA7AA-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV25052S Snubber | 1CVA3B-2" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |

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SYSTEM: Main Steam System (MS)

| l | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|-----------------|---|-------------------|-------------------|------------------|----------------------------|-------------------|
| Inspe | ection Co | mments | | · | L | . | I |
| F-A | F01.20 | 1MS01074AS Snubber, integrally attached to pipe | 1MS07AA-28" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | 1MS01074BS Snubber, integrally attached to pipe | 1MS07AA-28" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | 1MS01079S Snubber, integrally attached to pipe | 1MS07AA-28" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS01083AS Snubber, integrally attached to pipe | 1MS07AD-28" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS01083BS Snubber, integrally attached to pipe | 1MS07AD-28" | I2R-14 | | VT-3 | NRI |
| | | 1MS01088S Snubber, integrally attached to pipe d on 09/24/2007 was as found test for serial number 41265. Baseline test for | | | | | |
| | | ded results are for the baseline test for 1MS01092AS | | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | Snubber, integrally attached to pipe 1MS01092BS Snubber, integrally attached to pipe | 1MS07AB-28" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS01097S Snubber, integrally attached to pipe | 1MS07AB-28" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS01101AS Snubber, integrally attached to pipe | 1MS07AC-28" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | to failure of other snubber in assembly 1MS01101BS Snubber, integrally attached to pipe | 1MS07AC-28" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | ber that failed during A1R12. 1MS01106S Snubber, integrally attached to pipe | 1MS07AC-28" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS05007AS Snubber, integrally attached to pipe | 1MS01AA-30.25" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS05007BS Snubber, integrally attached to pipe | 1MS01AA-30.25" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS06007AS Snubber, integrally attached to pipe | 1MS01AB-32.75" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS06007BS Snubber, integrally attached to pipe | 1MS01AB-32.75" | I2R-14 | | VT-3 | NRI |



Section 3.3 Detailed Inservice Inspection Snubber Listing

(Page 3 of 13)

SYSTEM: Main Steam System (MS)

| Sect Cat. | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|-----------------|--|-------------------|-------------------|------------------|----------------------------|-------------------|
| Inspe | ection Cor | nments | | | | | |
| F-A | F01.20 | 1MS07006AS Snubber, integrally attached to pipe | 1MS01AC-32.75" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS07006BS Snubber, integrally attached to pipe | 1MS01AC-32.75" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1MS08007AS Snubber, integrally attached to pipe | 1MS01AD-30.25" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | 1MS08007BS Snubber, integrally attached to pipe | 1MS01AD-30.25" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |

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SYSTEM: Reactor Coolant System (RC)

| i | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|------|-----------------|-------------------------------|-------------------|-------------------|---|----------------------------|-------------------|
| Insp | ection Co | mments | | | *************************************** | | |
| F-A | F01.10 | 1CV15015S Snubber | 1RC14AB-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV15039AS Snubber | 1RC14AB-2" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | R12 failure. 1CV15039BS | 1RC14AB-2" | I2R-14 | | VT-3 | NRI |
| | | Snubber | INOTAAD-2 | 12N-14 | | Functional VT-3 | NRI NRI |
| | test of A1F | | 4004440 | 100 44 | | 1.77 O | |
| F-A | F01.10 | 1CV15111S Snubber | 1RC14AB-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV24026S Snubber | 1RC16AB-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV24027S Snubber | 1RC16AB-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV24039S Snubber | 1RC16AB-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV25001S Snubber | 1RC14AD-2" | I2R-14 | | VT-3 Functional | NRI NRI |
| F-A | F01.10 | 1CV25002S Snubber | 1RC14AD-2" | I2R-14 | | VT-3 VT-3 | NRI NRI |
| F-A | F01.10 | 1CV25034S Snubber | 1RC14AD-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1CV25051S Snubber | 1RC14AD-2" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1RC01006S Snubber | 1RC21AA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC01007S Snubber | 1RC21AA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.40 | 1RC01BA-A Snubber | S.G A | I2R-14 | | VT-3 | NRI |
| F-A | F01.40 | 1RC01BA-B Snubber | S.G A | I2R-14 | | VT-3 | NRI |
| F-A | F01.40 | 1RC01BB-A Snubber | S.G B | I2R-14 | | VT-3 | NRI |
| F-A | F01.40 | 1RC01BB-B Snubber | S.G B | I2R-14 | | VT-3 | NRI |



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SYSTEM: Reactor Coolant System (RC)

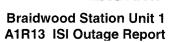
Snubber

| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|-----------------|--|------------------------------|-------------------|---|--------------------|------------|
| Inspe | ection Cor | nments | | | | | |
| F-A | F01.40 | 1RC01BC-A Snubber | S.G C | I2R-14 | | VT-3 Functional | NRI NRI |
| | | | | | | VT-3 | NRI |
| Snul | ber Funct | ionally Tested Due To Function Failu | re of Snubber 1RC01BC-B (Sar | mple Expansion) | *************************************** | | |
| F-A | F01.40 | 1RC01BC-B | S.G C | I2R-14 | | VT-3 | NRI |
| | | Snubber | | | | Functional | IND. |
| | | | | | | Functional | NRI |
| | | I To Meet Bleed Rate Test Acceptanc | | | | VT-3 | NRI |
| | | i7134. Recorded data in this panel is twith TRM 3.7.b, functional test scope 1RC01BD-A | | , | • | or functional to | esting. |
| | 101.70 | Snubber Snubber | J.J D | 14.11-17 | | V 1-0 | 1 41 11 |
| F-A | F01.40 | 1RC01BD-B Snubber | S.G D | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC02006AS | 1RC21AB-8" | I2R-14 | | VT-3 | NRI |
| | | Snubber | | | | Functional | NRI |
| Roet | aet dua to | A1R12 failure. | | | | VT-3 | NRI |
| F-A | F01.10 | 1RC02006BS | 1RC21AB-8" | I2R-14 | | VT-3 | NRI |
| | 101.10 | Snubber | MOZIABO | 1211-17 | | Functional | NRI |
| | | S. Tabbo. | | | | VT-3 | NRI |
| Rete | st due to A | 1R12 Failure | | | | | |
| F-A | F01.10 | 1RC02007S | 1RC21AB-8" | I2R-14 | | VT-3 | NRI |
| | | Snubber | | | | | |
| F-A | F01.10 | 1RC02008S Snubber | 1RC21AB-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC03005S Snubber | 1RC21AC-8" | I2R-14 | | VT-3 | NRI |
| =-A | F01.10 | 1RC03006S Snubber | 1RC21AC-8" | I2R-14 | | VT-3 | NRI |
| =-A | F01.10 | 1RC03007S Snubber | 1RC21AC-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC03008S Snubber | 1RC21AC-8" | I2R-14 | | VT-3 | NRI |
| =-A | F01.10 | 1RC04005S | 1RC21AD-8" | I2R-14 | *************************************** | VT-3 | NRI |

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SYSTEM: Reactor Coolant System (RC)

| Secti Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|---------------|----------------|---|--------------------------------|-------------------|------------------|--|--------------------------|
| Inspe | ction Con | nments | | | | | |
| F-A | F01.10 | 1RC16114S Snubber | 1RC22AA-1.5" | I2R-14 | | VT-3 Functional Functional VT-3 | NRI NRI NRI NRI |
| purpo | ses with s | on 10/06/2007 was as found test fo serial number 42823. Baseline test f ded results are for the baseline test | or snubber with S.N. 42823 was | | | er was replace | d for SLM |
| F-A | F01.10 | 1RC16119S Snubber | 1RC22AA-1.5" | I2R-14 | | VT-3 | NRI |
| purpo | ses with s | 1RC17052S Snubber on 10/06/2007 was as found test for serial number 9573. Baseline test for ded results are for the baseline test | r snubber with S.N. 9573 was p | | | | |
| F-A | F01.10 | 1RC17058S Snubber | 1RC22AB-1.5" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC18034AS Snubber | 1RC22AC-1.5" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC18034BS Snubber | 1RC22AC-1.5" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC19042S Snubber | 1RC22AD-1.5" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RC19054S Snubber | 1RC22AD-1.5" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06017S Snubber | 1RC24AA-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06057S Snubber | 1RC26A-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06091S Snubber | 1RC26A-2" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| Retes | st of A1R1 | 2 failure. | | | | | |
| F-A | F01.10 | 1RY06096S Snubber | 1RC24AA-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06153S Snubber | 1RC24AB-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06154S Snubber | 1RC24AA-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06156S Snubber | 1RC24AA-4" | I2R-14 | | VT-3 | NRI |



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SYSTEM: Residual Heat Removal System (RH)

| 1 | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------|----------------|-------------------------------|-------------------|-------------------|------------------|----------------------------|-------------------|
| Inspe | ection Cor | nments | | | | | |
| F-A | F01.10 | 1RH02002S Snubber | 1RH01AB-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02003S Snubber | 1RH01AB-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02007S Snubber | 1RH01AB-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02008S Snubber | 1RH01AB-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02009S Snubber | 1RH01AB-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02012S Snubber | 1RH01AB-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02013S Snubber | 1RH01AB-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02047S Snubber | 1RH01AA-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02052S Snubber | 1RH01AA-12" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1RH02054S Snubber | 1RH01AA-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02058S Snubber | 1RH01AA-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02059S Snubber | 1RH01AA-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02068S Snubber | 1RH01AA-12" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02205AS Snubber | 1RH01AA-12" | I2R-14 | | VT-3 | NRI |
| Dista | nce exami | ined 4' | | | | | |
| | | 1RH02205BS Snubber | 1RH01AA-12" | I2R-14 | | VT-3 | NRI |
| distar | nce exami | | | | | | |
| F-A | F01.20 | 1RH04011S Snubber | 1RH03AB-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1RH04012S Snubber | 1RH03AB-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1RH08015S Snubber | 1RH02AB-8" | I2R-14 | | VT-3 | NRI |



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SYSTEM: Reactor Coolant System (RY)

| | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|----------------|-------------------------------|-------------------|-------------------|------------------|----------------------------|-------------------|
| Inspe | ection Cor | nments | | 3 | | | |
| F-A | F01.10 | 1RY06012S Snubber | 1RY01AB-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06022S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06026S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| Dista | ince Exam | ined 6' | | | | | |
| F-A | F01.10 | 1RY06027S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| Dista | ınce Exam | ined 6' | | | | | |
| F-A | F01.10 | 1RY06029S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06030S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06031S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06033S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06034S Snubber | 1RY01B-6# | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06047S Snubber | 1RY18A-2* | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06059S Snubber | 1RY01AA-4" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1RY06080S Snubber | 1RY01AA-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06082S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06110S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06118S Snubber | 1RY01B-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06121S Snubber | 1RY01AA-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY06124S Snubber | 1RY18A-2" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1RY06126S Snubber | 1RY01AB-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RY09005S Snubber | 1RY02B-3" | I2R-14 | | VT-3 | NRI |



Section 3.3 Detailed Inservice Inspection Snubber Listing

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SYSTEM: Reactor Coolant System (RY)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Prog Request Note | 3 | Results |
|--------------|----------------|-------------------------------|-------------------------------------|-----------------------------|-------------------------------|-------------------|
| Inspe | ection Con | nments | | | | |
| F-A | F01.10 | 1RY09012S Snubber | 1RY06A-3" | I2R-14 | VT-3 | NRI |
| F-A | F01.10 | 1RY09077S Snubber | 1RY02B-3" | I2R-14 | VT-3 Functional | NRI NRI |
| Func | tionally tes | sted for SLM (Snubber was | removed to eliminate interference f | or SWOL Work). Opportunity | VT-3 was taken to test the | NRI snubber. |
| F-A | F01.10 | 1RY09078S Snubber | 1RY06A-3" | I2R-14 | VT-3 | NRI |
| F-A | F01.10 | 1RY09100S Snubber | 1RY02B-3" | I2R-14 | VT-3 | NRI |
| F-A | F01.10 | 1RY09101S Snubber | 1RY06A-3" | I2R-14 | VT-3 Functional VT-3 | NRI NRI NRI |

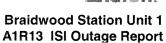


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| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|-----------------|-------------------------------|---|-------------------|------------------|---|-------------------|
| Inspe | ection Cor | nments | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | | | *************************************** | L |
| F-A | F01.10 | 1RH02018S Snubber | 1SI04D-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02019S Snubber | 1SI04D-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02023S Snubber | 1SI04D-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1RH02027S Snubber | 1SI04C-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02061S Snubber | 1SI04D-8" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1RH02066S Snubber | 1SIA4B-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02067S Snubber | 1SI04D-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02069S Snubber | 1SI04D-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02078S Snubber | 1SIA4B-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02079S Snubber | 1SIA4B-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02080S Snubber | 1SI04D-8" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1RH02081S Snubber | 1SI04B-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02082S Snubber | 1SIA4B-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1RH02083S Snubber | 1SIA4B-8" | I2R-14 | | VT-3 | NRI |
| =-A | F01.20 | 1RH02206S Snubber | 1SIA4A-8" | I2R-14 | | VT-3 | NRI |
| =-A | F01.10 | 1SI01002S Snubber | 1SI09BA-10 ^a | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| =-A | NA | 1SI01003S Snubber | 1SI09BA-10" | I2R-14 | | VT-3 | NRI |
| F-A | NA | 1SI01004S Snubber | 1SI09BA-10" | I2R-14 | | VT-3 | NRI |
| Dista | ince Exam | ined 6' | v | | | | |
| F-A | NA | 1SI01006S Snubber | 1SI09BA-10" | I2R-14 | | VT-3 | NRI |

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| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|------|-----------------|-------------------------------|-------------------|-------------------|--|----------------------------|--|
| Insp | ection Co | nments | | | | A | ge om en en electrica de la compansión d |
| F-A | NA | 1SI01007S Snubber | 1SI09BA-10" | I2R-14 | | VT-3 | NRI |
| F-A | NA | 1SI01009S Snubber | 1SI09BA-10" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI01018S Snubber | 1SI05DA-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI01020S Snubber | 1SI05DA-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI01021S Snubber | 1SI05DA-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI01025S Snubber | 1SI05CA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI01029S Snubber | 1SI05DA-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI01030S Snubber | 1SI05DA-6" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | 1SI01032S Snubber | 1SI09AA-10" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI01034S Snubber | 1SI05DA-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI01035S Snubber | 1SI05CA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI02003S Snubber | 1SI05CA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI03003S Snubber | 1SI05CA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI03006S Snubber | 1SI05CA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI03007S Snubber | 1SI05CA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI03009S Snubber | 1SI05CA-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI03016S Snubber | 1SI05DD-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI03018S Snubber | 1SI05DD-6" | I2R-14 | 20° T - Maria Mandri Maria Mar | VT-3 | NRI |
| F-A | F01.10 | 1SI03020S Snubber | 1SI05DD-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI03021S Snubber | 1SI05DD-6" | I2R-14 | | VT-3 | NRI |



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| | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|-----------------|-------------------------------|-------------------|-------------------|------------------|----------------------------|-------------------|
| Inspe | ection Cor | mments | | | | <u> </u> | |
| F-A | F01.10 | 1SI03023S Snubber | 1SI09BD-10" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI03024S Snubber | 1SI09BD-10" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI03025S Snubber | 1SI09BD-10" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1SI03042S Snubber | 1SI05DD-6" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1SI03046AS Snubber | 1SI05DD-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI03046BS Snubber | 1SI05DD-6" | I2R-14 | | VT-3 | NRI |
| | | ngs: 1 1/2 & 1 3/4 | | | | | |
| | ole Snubbe | | | | | | |
| F-A | F01.10 | 1SI04003S Snubber | 1SI09BB-10" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI04016S Snubber | 1SI05DB-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI04017S Snubber | 1SI05DB-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI04019S Snubber | 1SI05DB-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI04020S Snubber | 1SI05DB-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI04022S Snubber | 1SI05DB-6" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | 1SI04024S Snubber | 1SI05CB-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI04026S Snubber | 1SI05CB-8" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI04030S Snubber | 1SI05CB-8" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.20 | 1SI09002S Snubber | 1SI05CB-8" | I2R-14 | | VT-3 | NRI |
| Dista | nce Exam | ined 6' | | | | | |
| F-A | F01.20 | 1SI09004S Snubber | 1SI05CB-8" | I2R-14 | | VT-3 | NRI |
| Dista | nce Exam | ined 6' | | | | | |

A1R13 ISI Outage Report



Section 3.3 Detailed Inservice Inspection Snubber Listing

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| | tion XI | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|-------|------------|-------------------------------|-------------------|-------------------|------------------|----------------------------|-------------------|
| | ection Cor | | | | | | |
| F-A | F01.20 | 1SI09006S Snubber | 1Si05CB-8" | I2R-14 | | VT-3 | NRI |
| Dist | ance Exam | | | | | | |
| F-A | F01.20 | 1SI09009S Snubber | 1SI05CB-8" | I2R-14 | | VT-3 | NRI |
| Ren | note Exam | (10' Away) | | | | | |
| F-A | F01.10 | 1SI09013S Snubber | 1SI05DC-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI09015AS Snubber | 1SI05DC-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI09015BS Snubber | 1SI05DC-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI09020S Snubber | 1SI09BC-10" | l2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI09021S Snubber | 1SI09BC-10" | I2R-14 | | VT-3 Functional VT-3 | NRI NRI NRI |
| F-A | F01.10 | 1SI09037S Snubber | 1SI05DC-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI09038AS Snubber | 1SI05DC-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI09038BS Snubber | 1SI05DC-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI09039S Snubber | 1SI05DC-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI09043S Snubber | 1SI05CB-8" | I2R-14 | | VT-3 | NRI |
| Dist | ance Exam | ined 6' | | | | | |
| F-A | F01.20 | 1SI16010S Snubber | 1SI18DB-4" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI16029S Snubber | 1SI18FC-2" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI18049S Snubber | 1SI02BA-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.20 | 1SI18086S Snubber | 1SI02BB-6" | I2R-14 | | VT-3 | NRI |
| F-A | F01.10 | 1SI24012S Snubber | 1SI08JA-1.5" | I2R-14 | | VT-3 | NRI |
| Dista | ance Exam | ined 4' | | | | | |



Section 3.3.1 Snubber Preservice Inspection Listing

(Page 1 of 4)

SYSTEM: Chemical & Volume Control System (CV)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--|---------------------------------|-----------------------|------------------|--------------------|------------|
| Inspe | ction Co | mments | | | | | |
| NA | NA | 1CV13054S Snubber | 1CV43BC-2" | I2R-14 | | Functional VT-3 | NRI NRI |
| | | PSA 1/4 mechanical snubber (Se r service life monitoring program. | rial Number 14985) and replaced | I with functionally t | ested spare (S | Serial Number | 2092) as |
| NA | NA | 1CV34008S Snubber | 1CV14EA-2" | I2R-14 | | Functional VT-3 | NRI NRI |



Section 3.3.1 Snubber Preservice Inspection Listing

(Page 2 of 4)

SYSTEM: Main Steam System (MS)

| Sect Cat. | tion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|-----------------|-------------------------------|-------------------|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | | |
| F-A | F01.20 | 1MS01088S | 1MS07AD-28" | I2R-14 | | Functional | NRI |

Pulled existing PSA 10 mechanical snubber (Serial Number 6042) and replaced with functionally tested spare (Serial Number 41265) as part of snubber service life monitoring program.



Section 3.3.1 Snubber Preservice Inspection Listing

(Page 3 of 4)

SYSTEM: Reactor Coolant System (RC)

| Secti Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------------------------|-------------------|--|------------------------------------|-------------------|------------------|--------------------|------------|
| Inspe | ction Con | nments | | | | | |
| F-A | F01.40 | 1RC01BC-B Snubber | S.G C | I2R-14 | | Functional VT-3 | NRI NRI |
| Exisi | | lic snubber (Boeing, Serial Number 2 | | | | | |
| | | y tested again (acceptable). FME in | une control valve was the cause of | ialiure. neier | ence issue He | ports 679631 | and |
| was f 6871 | | 1RC16114S | 1RC22AA-1.5" | I2R-14 | ence issue Re | Functional | and NRI |
| was f | 34. | | | | ence issue He | | |
| was f 6871: F-A Pulle | F01.10 d existing | 1RC16114S | 1RC22AA-1.5" | I2R-14 | | Functional VT-3 | NRI NRI |
| was f 6871: F-A Pulle | F01.10 d existing | 1RC16114S Snubber PSA 1/4 mechanical snubber (Serial | 1RC22AA-1.5" | I2R-14 | | Functional VT-3 | NRI NRI |



Section 3.3.1 Snubber Preservice Inspection Listing

(Page 4 of 4)

SYSTEM: Steam Generator Blowdown System (SD)

| Sect Cat. | ion XI Item | ISI Identifier Description | Line Number / EPN | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--|---------------------------------|----------------------|------------------|--------------------|------------|
| Inspe | ction Co | mments | | | - | | |
| NA | NA | 1SD23089S Snubber | 1SD01CG-2" | l2R-14 | | Functional VT-3 | NRI NRI |
| | _ | PSA 1/2 mechanical snubber (S r service life monitoring program | erial Number 3486) and replaced | with functionally te | sted spare (Se | erial Number 8 | 045) as |
| NA | NA | 1SD23093S Snubber | 1SD01CG-2" | I2R-14 | | Functional VT-3 | NRI NRI |



Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing (Page 1 of 4)

SYSTEM: Auxiliary Feedwater System (AF)

| Sect Cat. | ion XI Item | ISI Identifier Description | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|--|-------------------|------------------|-----------------|---------|
| Inspe | ection Con | nments | | | | |
| С-Н | C07.40 | A01AF-000005-M04-02C | 12R-05 | NOTE17 | VT-2 | IND. |
| | C07.80 | 10 Veer Interval ASME Section XI Pressure Test | 12R-13 | | | |

AF portions completed 7/23/2007 and 9/29/2007. Substantial accumulation of mineral deposit noted on Line 1AF02EB-4" on 9/29/2007, reference IR 677540.



A1R13 ISI Outage Report

Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing (Page 2 of 4)

SYSTEM: Instrument Air System (IA)

| Sector | tion XI Item | ISI Identifier Description | Relief Request | Program Notes | Exam Summary | Results | |
|---------------------|------------------|---|-------------------|------------------|-----------------|---------|--|
| Inspection Comments | | | | | | | |
| С-Н | C07.30 C07.70 | A01IA-000004-M04-01A 40 Month Period ASME Section XI Pressure Test. Verify Continuous Leak Detection System for Airlock is in operation prior to performing SNOOP or Ultraprobe examination of test boundary. Ten-year test boundary is same as periodic test boundary, archived ten-year boundary. | I2R-05 I2R-13 | | VT-2 | NRI | |



Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing (Page 3 of 4)

| Sect Cat. | ion XI Item | ISI Identifier Description | Relief Request | Program Notes | Exam Summary | Results |
|--------------|----------------|---|-------------------|------------------|-----------------|--|
| Inspe | ection Con | nments | | | | The second secon |
| С-Н | C07.40 | A01SI-000005-M04-02A | I2R-05 | NOTE13 | VT-2 | NRI |
| | C07.60 | 10 Year Interval ASME Section XI Pressure Test. | I2R-12 | NOTE17 | | |
| | C07.80 | | I2R-13 | | | |
| Comp | oleted durin | ng ascending Mode 3 walk down under Surveillance 1BwVSR | ΓRM 3.4.F.2-SI.4. | | | |
| С-Н | C07.40 | A01SI-000005-M04-02H | I2R-05 | NOTE13 | VT-2 | NRI |
| | C07.80 | 10 Year Interval ASME Section XI Pressure Test. | I2R-12 | NOTE17 | | |
| | | | I2R-13 | | | |



Section 3.4.1 Detailed Inservice Inspection Pressure Test Test-Block Listing (Page 4 of 4)

SYSTEM: Plant Systems Pressurized During Mode 3 (ZZ)

| | ion XI Item | ISI Identifier Description | Relief Request | Program Notes | Exam Summary | Results |
|--------|---|--|--|----------------------------|-----------------|--------------------------|
| Inspe | ection Con | nments | | | | |
| | B15.11 B15.21 B15.31 B15.51 B15.61/71 | A01ZZ-000005-M04-02A 10 Year Interval ASME Section XI Pressure Test. Freeze seal required on Line 1CV45B to inspect 1RY18A. e normal Class 1 ascending Mode 3 walk downs (WO# 930278-01), the features are considered to the constant of the | I2R-05 I2R-12 I2R-13 I2R-30 I2R-31 | NOTE13 NOTE14 NOTE17 | VT-2 | NRI NRI NRI NRI |
| | | | onowing wer | e combieted (| Juning ATT 13: | |
| HH sy | /stem pipir | ng under 1BwVSR TRM 3.4.F.2-RH.2 (WO# 967321-05) | | | | |
| RCS I | Loop Fill pi | ping downstream of 1CV184 | | | | |
| Safety | y Injection | Cold Leg Injection under 1BwVSR TRM 3.4.F.s-SI.4 (WO# 983722-01) | | | | |
| Norma | ally isolate | d Class 1 piping under 1BwVSR TRM 3.4.F.2-RC.1 (WO# 1053190-01) | | | | |
| | • | piping between Valves 1RC14A/C and 1RC14B/D (WO# 983725-01) | | | | |
| С-Н | C07.20 | A01ZZ-000005-M04-02B | I2R-05 | NOTE13 | VT-2 | NRI |
| | C07.40 | 10 Year Interval ASME Section XI Pressure Test. | 12R-12 | NOTE17 | | |
| | C07.80 | All Code Class 2 Components inside Containment. VT-2 Visual Inspection of components outside of Missle Barrier may be performed during Mode 1 if conditions permit. | I2R-13 | | | |
| Rema | ining portion | ons of Test Block not examined during A2R12. | | | | |
| C-H | C07.20 | A01ZZ-000005-M04-02C | I2R-05 | NOTE17 | VT-2 | NRI |
| | C07.40 | 10 Year Interval ASME Section XI Pressure Test. | I2R-12 | | | NRI |
| | C07.80 | Code Class 2 components outside containment which are normally pressurized during Mode 1-3. | I2R-13 | | | |
| С-Н | C07.10 | A01ZZ-000078-M04-03A | I2R-05 | NOTE13 | VT-2 | IND. |
| | C07.30 | 40 Month Period ASME Section XI Pressure Test. | I2R-12 | | | |
| | C07.70 | All Code Class 2 components inside containment. VT-2 Visual Inspection of components outside Missle Barrier may be performed during Mode 1 if conditions permit. | I2R-13 | | | |
| Two m | ninor leaks | were observed during post A1R13 walk down: | | | | |
| A 15 | drop ner m | ninute leak was observed on a fitting associated with 1PT-RC011 (referen | nce IR 68918 | 16). | | |
| | 5.5p por 11 | mate teat that substitute off a maing accounted that it is foot (follows | | ,. | | |

A 1 drop per two minute leak was observed at a fitting associated with 1LT-0461 (reference IR 689187).



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SYSTEM: Chemical & Volume Control System (CV)

| Sect | ion XI | ISI Identifier | Relief | Program | Exam | Results |
|------------|------------------|--|------------------|---|---------|---------|
| Cat. | Item | Description | Request | Notes | Summary | |
| Inspe | ction Con | nments | | | | |
| С-Н | C07.30 | 1A-CV-10 F-2-1 (C-H) | I2R-12 | | VT-2 | NRI |
| | C07.40 | FLANGED CONNECTION (8 STUDS) | I2R-13 | | | |
| | | Order 930281-01 | | | | |
| C-H | C07.10 | 1CV04AA (C-H) | I2R-12 | | VT-2 | NRI |
| D-4 | C07.20 | 1CV04AA HX (28 STUDS) | I2R-13 | | | |
| | | Order 930281-01 | | | | |
| C-H | C07.30 | 1CV-10 F-3-2 (C-H) | I2R-12 | | VT-2 | NRI |
| Rofor | C07.40 | FLANGED CONNECTION (8 STUDS) Order 930281-01 | I2R-13 | | | |
| B-P | B15.50 | PG-2546C-014 F-2-2 (B-P) | I2R-12 | | VT-2 | NRI |
| D-P | B15.50 | FLANGED CONNECTION (4 STUDS) | 12R-12 | | V 1-2 | INUI |
| Refere | | Order 927352-01 | | | | |
| C-H | C07.30 | PG-2546C-022 F-2-3 (C-H) | I2R-12 | eranou - Indiana de arres e erano e en antidade de arres e en e | VT-2 | NRI |
| • | C07.40 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | • • • | |
| Refere | ence Work | Order 927352-01 | | | | |
| С-Н | C07.30 | PG-2546C-062 F-2-3 (C-H) | I2R-12 | | VT-2 | NRI |
| | C07.40 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | | |
| Refere | ence Work | Order 927352-01 | | | ··· | |
| C-H | C07.30 | PG-2546C-069 F-1-2 (C-H) | I2R-12 | | VT-2 | NRI |
| | C07.40 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | | |
| | | Order 927352-01 | | | | |
| C-H | C07.30 | PG-2546C-070 F-2-3 (C-H) | I2R-12 | | VT-2 | NRI |
| Dofor | C07.40 | FLANGED CONNECTION (4 STUDS) Order 927352-01 | I2R-13 | | | |
| | | | 100.40 | | \CT O | NDI |
| C-H | C07.30 C07.40 | PG-2546C-085 F-2-2 (C-H) FLANGED CONNECTION (4 STUDS) | I2R-12 I2R-13 | | VT-2 | NRI |
| Refere | | Order 927352-01 | 12.1.10 | | | |
| B-P | B15.50 | PG-2546C-091 F-2-3 (B-P) | I2R-12 | | VT-2 | NRI |
| - ' | B15.51 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | v 1 4- | 1 41 41 |
| Refere | nce Work | Order 927352-01 | | | | |
| B-P | B15.50 | PG-2546C-101 F-2-3 (B-P) | I2R-12 | | VT-2 | NRI |
| | B15.51 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | | |
| Refere | nce Work | Order 927352-01 | | | | |



Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

(Page 2 of 4)

SYSTEM: Pressurizer (PZR)

| Sect Cat. | tion XI Item | ISI Identifier Description | Relief Request | Program Notes | Exam Summary | Results | | | |
|--------------|---------------------|-------------------------------|-------------------|------------------|-----------------|---------|--|--|--|
| Inspe | Inspection Comments | | | | | | | | |
| B-P | B15.20 | 1PZR-01-B1 (B-P) | I2R-12 | 1000 | VT-2 | NRI | | | |
| | B15.21 | MANWAY BOLTING (16 TOTAL) | I2R-13 | | | | | | |
| Refer | ence Work | COrder 927352-01 | | | | | | | |

Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

(Page 3 of 4)

SYSTEM: Reactor Coolant System (RC)

| Sect | ion XI | ISI Identifier | Relief | Program | Exam | Results |
|------------|---------------------|--|---------|---------|---------|---------|
| Cat. | Item | Description | Request | Notes | Summary | |
| Inspe | ection Con | iments | | | | |
| В-Р | B15.50 | 1RC-19-B3 (B-P) | I2R-12 | | VT-2 | NRI |
| Defe | B15.51 | FLANGED CONNECTION (4 STUDS) Order 927352-01 | I2R-13 | | | |
| B-P | B15.50 | 1RC-20-B1 (B-P) | I2R-12 | | VT-2 | NRI |
| D-1 | B15.51 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | V 1-2. | 14111 |
| Refer | ence Work | Order 927352-01 | | | | |
| B-P | B15.50 | 1RC-23-B1 (B-P) | I2R-12 | | VT-2 | NRI |
| Dofor | B15.51 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | | |
| B-P | B15.50 | Order 927352-01 1RC-27-B1 (B-P) | I2R-12 | | VT-2 | NRI |
| D-1 | B15.51 | FLANGED CONNECTION (4 STUDS) | I2R-13 | | V 1-2 | 14111 |
| Refer | ence Work | Order 927352-01 | | | | |
| B-P | B15.30 | 1SG-05-SGB-01 (B-P) | I2R-13 | | VT-2 | NRI |
| Pofor | B15.31 | PRIMARY MANWAY (20 STUDS) Order 927352-01 | I2R-31 | | | |
| B-P | B15,30 | 1SG-05-SGB-02 (B-P) | I2R-13 | | VT-2 | NRI |
| 0. | B15.31 | PRIMARY MANWAY (20 STUDS) | I2R-31 | | V12 | 1410 |
| Refer | ence Work | Order 927352-01 | | | | |
| B-P | B15.30 | 1SG-06-SGB-01 (B-P) | I2R-13 | | VT-2 | NRI |
| Pofor | B15.31 | PRIMARY MANWAY (20 STUDS) Order 927352-01 | I2R-31 | | | |
| B-P | B15.30 | 1SG-06-SGB-02 (B-P) | I2R-13 | | VT-2 | NRI |
| ٠. | B15.31 | PRIMARY MANWAY (20 STUDS) | I2R-31 | | V. 2 | 14 |
| Refer | ence Work | Order 927352-01 | | · | | |
| B-P | B15.30 | 1SG-07-SGB-01 (B-P) | I2R-13 | | VT-2 | NRI |
| Rafar | B15.31 ence Work | PRIMARY MANWAY (20 STUDS) Order 927352-01 | I2R-31 | | | |
| B-P | B15.30 | 1SG-07-SGB-02 (B-P) | I2R-13 | | VT-2 | NRI |
| <i>J</i> , | B15.31 | PRIMARY MANWAY (20 STUDS) | I2R-31 | | V 1 2 | 1 47 (1 |
| Refer | ence Work | Order 927352-01 | | | | |
| B-P | B15.30 | 1SG-08-SGB-01 (B-P) | I2R-13 | | VT-2 | NRI |
| Refer | B15.31 | PRIMARY MANWAY (20 STUDS) Order 927352-01 | I2R-31 | | | |
| B-P | B15.30 | 1SG-08-SGB-02 (B-P) | I2R-13 | | VT-2 | NRI |
| | B15.31 | PRIMARY MANWAY (20 STUDS) | I2R-31 | | 7 · · | , 4. " |
| Refere | ence Work | Order 927352-01 | | | | |



Section 3.4.2 Detailed Inservice Inspection Borated Bolting Listing

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SYSTEM: Residual Heat Removal System (RH)

| Section XI Cat. Item | | ISI Identifier Description | Relief Request | Program Notes | Exam Summary | Results | | | |
|-------------------------|-----------|-------------------------------|-------------------|------------------|-----------------|---------|--|--|--|
| Inspection Comments | | | | | | | | | |
| С-Н | C07.30 | 1A-RH-04 F-1-1 (C-H) | I2R-12 | | VT-2 | NRI | | | |
| | C07.40 | FLANGED CONNECTION (24 STUDS) | I2R-13 | | | | | | |
| Refer | ence Work | Order 930281-01 | | | | | | | |
| С-Н | C07.30 | 1A-RH-04 F-3 (C-H) | I2R-12 | | VT-2 | NRI | | | |
| | C07.40 | FLANGED CONNECTION (12 STUDS) | I2R-13 | | | | | | |
| Refer | ence Work | Order 930281-01 | | | | | | | |



Eval and

4.0 Code N-513-1 Evaluation

A through-wall leak of approximately initially described as one pint per minute was discovered on Line 0SX01CF-30" (reference Issue Report 706376 dated 12/3/2007). Code Case N-513-1 was invoked to address corrective actions for this identified leak. Section 2.0(i) requires evaluations and examinations associated with use of the Code Case be documented in accordance with IWA-6300 and on the applicable data report form. This line is classified as Section XI Class 3. Class 3 repairs and replacements and associated Code data report forms are not included into the post outage inspection summary report per IWA-6210(c), so this section has been added to the post outage inspection report to address the reporting requirements of the Code Case. The subject line Operability Evaluation 07-010 was performed to evaluate the observed leakage. The text that follows is taken from the Operability Evaluation.

A design analysis was performed per Code Case N-513-1. This Code Case provides a methodology for evaluating flaws in ASME Class 2 and 3 moderate energy piping (i.e., piping whose maximum operating temperature does not exceed 200 degrees F and whose maximum operating pressure does not exceed 275 psig). The structural integrity evaluation (Calculation BRDW-06Q-301 Revision 1) has determined the allowable through-wall flaw sizes based on several different uniform wall thicknesses. The analysis conservatively assumes that the entire pipe is internally thinned to the analyzed thickness. The allowed flaw size (4.8 inches, circumferential, by 17.2 inches, axial) was determined for an average adjacent pipe wall thickness of 0.2 inches.

The UT data on the SX pipe show an average wall thickness in excess of 0.2 inches and the size of the flaw has been estimated at 1/4-inch diameter hole. Thus, the structural integrity of line 0SX01XCF-30" is maintained.

The adverse condition monitoring plan requires Engineering to be notified if the flaw increases to a 1-inch diameter in size. The implementation of this ACM ensures the flaw size remains within the boundary of the design analysis.

Flooding

From an equipment operability standpoint, the leakage volume does not need to be re-

The leakage volume would fill the valve pit and it would overflow to the floor slab elevation of the Circulating Water pumps. No safety related equipment that would be damaged by the overflowing water is located at this elevation.

Effects on Adjacent Equipment

The leakage spray volume can reach a number of manual components; valve 0SX115F and chemical feed equipment. Valve 0SX115F is a manual, normally open gate valve; the water spray from the leak will not affect the required open position of the valve. This valve is not required to be manipulated by plant emergency procedures, but it does need to be closed to permit inspection of the 2C Forebay as part of procedure BwMP 3300-091. The chemical feed components do not need manipulation in any emergency conditions, but may need to be manipulated as part of normal operating procedures. If the SX valve and the chemical feed components need to be manipulated, the flood volume inside the pit needs to be pumped-out.

Loss of SX Volume Through the Flaw

The amount of leakage through the flaw is small. In addition, the through wall leakage is located on the suction side of the SX pumps; thus, the leakage flow rate does not affect the discharge flow of the SX pumps. The only impact is loss of volume from the lake.



Braidwood Station Unit 1 A1R13 ISI Outage Report

This limiting factor would translate in a significant leakage flow that could be tolerated as explained below.

The potential issue with losing lake volume is that the water depletion does not lower the water level as to impact the Net Positive Suction Head for the SX pumps.

The NPSH available for the SX pumps is verified acceptable in calculation #SX1-85 and outstanding minor revisions. The NPSH available has been verified to be acceptable (Available NPSH is 44.97 ft while the required NPSH is 36 ft) assuming a water level of 588.3 ft in the Ultimate Heat Sink (This level is lower than the minimum required Technical Specification level of 590 ft). A total volume loss in excess of 3.3 million cubic ft would be needed to lower the UHS water level from 588 ft to 587 ft; this one ft reduction keeps the available NPSH adequate. A volume loss of 3.3 million cubic ft (Reference calculation ATD-109) translates in a leakage flow rate in excess of 76 ft³/min (or 571 gpm) for continuous 30 day period.

The leakage rate of the flaw has been estimated to be approximately 8 gpm. This was based on a comparison to the theoretical discharge flow value through a 1/4-inch nozzle with a head pressure of 15 psi, (34.6 ft). Note that the adverse condition-monitoring plan (ACM) was written to monitor this leakage rate on a daily basis to confirm that the conditions stay within the limitations of this operability evaluation and the pipeline structural integrity calculation. Since an increase of flaw size translates into an increase in leakage flow, the ACM requires Engineering to be notified if the flaw size increases to a one (1) inch diameter in size, which is equivalent to a leakage rate of approximately 116 gpm. This leakage rate is significant lower than the acceptable volume loss of the Ultimate Heat Sink, even if left to leak for the UHS mission time of 30 days.

Operability

Based on the above arguments, the SX system remains operable with the through-wall flaw in line 0SX01CF-30".



5.0 NIS-1 FORM

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

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

| 1. Owner | Exelon Genera | tion Company (EG | iC, LLC), 200 Exelon Way, Kennett Square, PA | A, 19348 |
|--------------|-------------------|-------------------|---|----------------|
| | | (Name | and Address of Owner) | |
| 2. Plant | Braidwood Statio | on, 35100 South R | oute 53, Suite 84, Braceville, Illinois 60450 | |
| | | (Name | and Address of Owner) | |
| 3. Plant Uni | t <u>1</u> | 4. O | wner Certificate of Authorization (if required) | Not Applicable |
| 5. Commerc | cial Service Date | 7/29/1988 | 6. National Board Number for Unit | N-195 |
| 7. Compone | ents Inspected | See Section 3 of | this report for all components (report is a total | of 136 pages). |

| Component or Appurtenance | Manufacturer Or Installer | Manufacturer or Installer Serial No. | State or Province No. | National Board No. |
|------------------------------|------------------------------|--|--------------------------|-----------------------|
| Reactor Vessel 1RC01R | Babcock & Wilcox | 640-0014-52 | B-24360 | N-195 |
| Pressurizer 1RY01S | Westinghouse | 2101 | U-199012 | 18696 |
| Steam Generator 1RC01BA | ComEd / BWI | 7735-01 | U-237763 | 168 |
| Steam Generator 1RC01BB | ComEd / BWI | 7735-03 | U-237761 | 170 |
| Steam Generator 1RC01BC | ComEd / BWI | 7735-02 | U-237762 | 169 |
| Steam Generator 1RC01BD | ComEd / BWI | 7735-04 | U-237760 | 171 |
| Heat Exchanger 1RH02AA | Joseph Oat Corporation | 2267-1H | U-199322 | 841 |
| Heat Exchanger 1RH02AB | Joseph Oat Corporation | 2267-1H | U-199325 | 843 |

See Sections 3.1 through 3.4.2 of report for specific Class 1 and 2 component locations examined.

See Section 4.0 of report for discussion of through-wall Class 3 leakage on Line 0SX01CF-30" evaluated in accordance with Code Case N-513-1.

FORM NIS-1 (Back)

| 8. Examination Dates: | July 18, 2006 to January 2, 2008 | | | | | | | |
|---|--|----|--|--|--|--|--|--|
| 10. Inspection Interval Identification: | 3 rd Period - From July 29, 2005 through July 28, 2009* examinations, one year has been added to interval end date as allowed by IWB-241 2 nd Interval - From July 29, 1998 through July 28, 2009* examinations, one year has been added to interval end date as allowed by IWB-241 1989 Edition Addenda No Addenda | | | | | | | |
| 12. Date/Revision of Inspection Plan: | September 17, 2007 / Revision 10a | | | | | | | |
| 13. Abstract of Examination and Tests. status of work required for the Insp | s. Include a list of examinations and tests and a statement concerning bection Plan. See Attached Sections 2 and 3. | ng | | | | | | |
| 14. Abstract of Results of Examinations | s and Tests. See Attached Sections 2 and 3. | | | | | | | |
| 15. Abstract of Corrective Measures. | See Attached Sections 2 and 3. | | | | | | | |
| | this report are correct, b) the examinations and tests meet the Code, Section XI, and c) corrective measures taken conform to the | | | | | | | |
| Certificate of Authorization No. (if applical | ble) Not Applicable Expiration Date Not Applicable | | | | | | | |
| Date 1/17 20 08 Sign | gned Exelon Nuclear Braidwood Station | | | | | | | |
| By Owner | Braidwood Station Engineering Programs Manager | | | | | | | |
| CERTIFIC | ICATE OF INSERVICE INSPECTION | | | | | | | |
| Inspectors and the State or Province of Insurance Company of Connecticut hav during the period 1~18-06 to 1-the Owner has performed examinations | I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 1-18-06 to 1-2-08 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI. | | | | | | | |
| By signing this certificate neither the Inspector nor his employer makes and warranty, expressed or implied, concerning the examinations, tests, and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | | | | | | |
| Inspector's Signature Com | nmissions N13±18156, TL ± 1085 'N' T' National Board, State, Province, and Endorsements | | | | | | | |
| Date 1-17- | 20 08 | | | | | | | |



Braidwood Station Unit 1 A1R13 ISI Outage Report

6.0 REPORT OF CONTAINMENT DEGRADATION

The NRC amended 10CFR 50.55a to incorporate by reference the 1992 Edition with the 1992 Addenda of Subsection IWE (Requirements for Class MC and Metallic Liners of Class CC Components of Light-Water Cooled Power Plants) and Subsection IWL (Requirements for Class CC Components of Light-Water Cooled Power Plants) of ASME Section XI, Division 1, with specified modifications and limitations. The following sections are included in the Inservice Inspection Summary report as required by IWA-6000 of ASME Section XI to meet the reporting conditions specified in 10CFR 50.55a(b)(2)(viii)(C)-(E) and 10CFR 50.55a(b)(2)(ix)(A)-(D). The completed surveillances for IWL and IWE contain all the examination details along with indications recorded and their associated evaluations required by ASME Section XI.

6.1 Containment Concrete Examinations (IWL)

Unit 1 and Unit 2 IWL tendon and concrete examinations under the 20th year post tensioning surveillance began in March of 2006, and were completed in September of 2006 (prior to the A2R12 refuel outage). The Unit 1 examinations were not completed at the time the A1R12 IWA-6000 report was submitted. Examination results for conditions described under 10 CFR 50.55a(b)(2)(viii)(D)(1) were available for inclusion into the A1R12 outage summary report (ADAMS Accession Numbers ML062090368 and ML062090372).

The presence of grease leakage observed during the general visual examination was the only 10 CFR 50.55a(b)(2)(viii)(D) reportable condition identified since the last outage summary report was submitted.

One area of grease leakage was identified during the general visual of the containment surfaces (reference Issue Report 518036) and is being reported as required by 10 CFR 50.55a(b)(2)(viii)(D)(3). The location of the indication is outdoors, on the east face of the Unit 1 containment structure at the upper right hand corner of the area where the containment opening was made to support the Unit 1 steam generator replacement in 1998. The indication was detected using a telescope demonstrated in accordance with ASME Section XI. The indication is characterized as a crack running diagonally approximately 12 inches. A film of tendon grease exists adjacent to both sides of the crack. The indication was not noted during the previous examination performed in 2001. This indication was evaluated by the site Registered Professional Engineer (RPE), who concluded the leakage has a negligible impact on the structural integrity of the containment. A follow-up examination was performed in August 2007 with no adverse changes noted. Another follow-up examination is scheduled for August 2008, tracked under ATI 518036-03.

One additional area of grease leakage that did not exist during the 2006 inspection was observed after a subsequent comparison of IWL examination results was performed in November of 2007 (reference Issue Report 696361). The location of the indication is outdoors and is located within a horizontal construction joint approximately 30 feet to the south of the 1B/1C MISV Rooms, approximately 35 feet above ground level. The leakage is in the form of a film/stain within the construction joint and on the surface of the wall. The surface area of this indication is approximately 18 inches long by six inches wide. This leakage likely occurred during the summer months when the sheathing filler grease becomes more viscous and will propagate through small cracks or voids. This indication was evaluated by the site Registered Professional Engineer and was deemed to have a negligible impact on the structural integrity of the containment. A follow-up examination has been scheduled for August 2008, tracked under ATI 696361-02.



6.2 A1R13 Containment Metal Liner Examinations (IWE)

The remaining second interval scheduled Section XI IWE examinations of the Class CC liner, including the VT-3 surface examination of all accessible surface areas (Examination Category E-A) and VT-1 of pressure retaining bolting (Examination Category E-G), were performed in accordance with the requirements of ASME Section XI, Table IWE-2500-1.

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

There were no indications or evidence of degradation observed during the A1R13 inspections that require reporting under 10CFR 50.55a(b)(2)(ix)(A)-(D).



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

SUMMARY OF NIS-2 FORMS

| System | ASME Code Classification | | | | |
|--------------------------------|----------------------------------|--------------------|--|--|--|
| • | Code Class 1 | Code Class 2 | | | |
| Auxiliary Feedwater (AF) | - | 3 | | | |
| Chemical & Volume Control (CV) | - | 5 | | | |
| Main Steam (MS) | - | 3 | | | |
| Reactor Coolant (RC) | 4 | 1 | | | |
| Residual Heat Removal (RH) | - | 3 | | | |
| Reactor Pressurizer (RY) | 8 | - | | | |
| Safety Injection (SI) | 8 | 18 | | | |
| Steam Generator Blowdown (SD) | - | 2 | | | |
| Primary Containment (PC) | Code Class MC 1 | Code Class CC - | | | |
| | Total NIS-2 Forms Total Pages | 56 56 | | | |

Associated NIS-2 Forms are attached.

| 1. | | Exelon Generation Co 0 Exelon Way, Kenne | | Date 10/31/2007 Sheet 1 of 1 | | | | | |
|---|--|--|--|--|---|---|--|---|--|
| 2. | | Braidwood Station U | | -07 | | | ork Order #0095186 pair Organization P | | |
| 3. | | ned By: Shaw / Ston 100 S. Essex Road, W | | | | Au | Code Symbol Stamp: None Authorization No.: None | | |
| 4. | Identification | of System: Auxiliary F | eed Water (AF) (C | lass 2 Portion | of System) | EX | piration Date: None | | |
| 5 (a) (b) (c) 6. Ider | Applicable Section XI | Construction Code: A Edition of Section XI L Code Cases used: No mponents Repaired o | Jtilized for Repairs o | or Replacemen | its: 1989 Edition wi | | e | | |
| Name of | Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | |
| | Connection 13-F-1 | Phillip, Getschow Co. | Not Recorded | Not Applicable | Lines 1AF02ED-4"/ 1FW06AD-4" | Not Applicable | Replaced | No | |
| 1 1/8"-8 he | eavy hex nuts | Nova Machine Products/ AUGE Industrial Fasteners | Heat 223469 Lot Lot 50046994 Trace Code J858 | Not Applicable | Cat ID 5863-1 UTCs 2670462 and 2688513 | 2002 | Replacement | No | |
| | nreaded rod liting) | Nova Machine Products | Heat 15192 Lot 40081930 Trace Code J533 | Not Applicable | Cat ID 37102-1 UTC 2678521 | 2003 | Replacement | No | |
| Tes Rer | sts Conducted: marks: Leak cl | • | Pneumatic Nom | inal Operating psig Test 1 | Pressure 🛭 | | tions were attached | at the time of fina | |
| rules of th | Brenda | | ort are correct and the code Symbol Stamp | : Not Applicab | nt conforms to the | | : Not Applicable | | |
| | | الله المراجعة المراجعة في المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة المراجعة الم | CERTIFICA | TE OF INSER | VICE INSPECTION | | | | |
| and employ to the best accordance By signing | oyed by HSBCT t of my knowled be with the requ this certificate | ng a valid commission f of CT have inspected dge and belief, the Oving irements of the ASME neither the Inspector is Owner's Report. Fi | If the components deviner has performed Code, Section XI. nor his employer ma | escribed in this examinations a tkes any warra | Owner's Report du and taken corrective nty, expressed or in | ring the period 1 measures desc aplied, concernir | /4/2007 to 10/31/20 tribed in this Owner on the examinations | 07, and state that s Report in and corrective | |
| | | s of any kind arising fr | | | on. | | , aman lar arry po | | |
| ir | nspector's Sign | ature | | | _ Commissions Nat | | te, Province, and Er | ndorsements | |
| Date (0 - | 3 (- 20 s | 2.3 | | | | | | | |

| | Exelon Generation Co. 0 Exelon Way, Kennett | | Date 11/6/2007 Sheet 1 of 1 | | | | | | |
|---|---|------------------------------------|--------------------------------|---------------------------------------|---|---|-------------------------------------|--|--|
| | Braidwood Station Ur 00 S. Rte. 53, Suite 84 | | 407 | | | rk Order #0104974 pair Organization P | | | |
| | led By: Shaw / Stone 900 S. Essex Road, Wi | | | | Aut | Code Symbol Stamp: None Authorization No.: None Expiration Date: None | | | |
| 4. Identification | of System: Auxiliary Fo | eed Water (AF) (C | lass 2 System) | | cxt | mation Date: None | ; | | |
| (b) Applicable (c) Section XI | Construction Code: At Edition of Section XI U code Cases used: Nor mponents Repaired or | tilized for Repairs one | or Replacemen | ts: 1989 Edition w | | | | | |
| | | | | | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| 4" 900# Class Check Valve | Anderson, Greenwood & Co. | A1078 | Not Applicable | 1AF014D | Not Recorded | Replaced | Yes | | |
| 4" 900# Class Check Valve | Anderson Greenwood Crosby | N99710-00- 0013 | Not Applicable | Cat ID 1400910-1 UTC 2744832 | 2006 | Replacement | Yes | | |
| final review and is | Other xam performed and acmaintained on file. | CERTI | psig Test O7. Applicable | Temp. <u>87</u> °F Manufacturer's Da | ata Report (Form | NPV-1) was attach | ed at the time of | | |
| We certify that the stater rules of the ASME Code. Signed Bunda | | ode Symbol Stamp | : Not Applicab | | Authorization No.: | Not Applicable | | | |
| | wner's Designee, Title | ISI Coor | rdinatort | Date | , 20 <u>67</u> | | | | |
| | | | | | | | | | |
| | | CERTIFICA | TE OF INSER | VICE INSPECTION | 4 | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowled accordance with the requirements. | F of CT have inspected dge and belief, the Ow | the components dener has performed | escribed in this | Owner's Report du | uring the period 1 | 0/1/2007 to 11/6/20 | 07, and state that | | |
| By signing this certificate measures described in the property damage or a los | is Owner's Report. Fu | rthermore, neither t | the Inspector n | or his employer sha | mplied, concernin all be liable in any | g the examinations manner for any pe | and corrective rsonal injury or | | |
| L have | | | | _ Commissions _ | 11 1085 | | | | |
| Inspector's Sign | ature | | | | | te, Province, and E | ndorsement s | | |
| Date 11-G- , 20 G | > 1 | | | | | | | | |

| 1. Owner : Address: 30 | | Date 11/6/2007 Sheet 1 of 1 | | | | | |
|---|--|--|-----------------------|--------------------------------------|---|--|-------------------------------------|
| | Braidwood Station Ur 00 S. Rte. 53, Suite 84 | | 407 | | | rk Order #0105054 pair Organization P | |
| | ed By: Shaw/Stone 100 S. Essex Road, Wi | | | | Autl | le Symbol Stamp: norization No.: Nori iration Date: None | ne |
| 4. Identification | of System: Auxiliary F | eed Water (AF) (C | lass 2 System) | | ĽΑÞ | nation Date. None | • |
| (b) Applicable (c) Section XI | Construction Code: All Edition of Section XI U code Cases used: Not mponents Repaired or | tilized for Repairs one | or Replacemen | ts: 1989 Edition w | | | |
| | | | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| 4" 900# Class Check Valve | Anderson, Greenwood & Co. | A1081 | Not Applicable | 1AF014H | Not Recorded | Replaced | Yes |
| 4" 900# Class Check Valve | Anderson Greenwood Crosby | N99710-00- 0012 | Not Applicable | Cat ID 1400910-1 UTC 2744831 | 2006 | Replacement | Yes |
| | • | Pneumatic Non Pressure 13: | 13 psig Test | Temp. <u>87</u> °F | ata Report (Form | NPV-1) was attach | ed at the time of |
| We certify that the stater rules of the ASME Code | , Section XI. Type C | ort are correct and to ode Symbol Stamp | : Not Applicab | nt conforms to the le Certificate of | Authorization No.: | Not Applicable | |
| Signed BALADA Owner or O | N. J. Cusly wner's Designee, Title | ISI Cool | rdinator [| Date | , 20 <u>07</u> | | |
| | | | | | | | |
| | | CERTIFICA | TE OF INSER | VICE INSPECTION | N | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowled accordance with the requirements. | F of CT have inspected tige and belief, the Owi | the components d ner has performed | escribed in this | Owner's Report di | uring the period 10 | 0/1/2007 to 11/6/20 | 07, and state that |
| By signing this certificate measures described in the property damage or a los | is Owner's Report. Fu | rthermore, neither | the inspector ne | or his employer shi | mplied, concerning all be liable in any | g the examinations manner for any pe | and corrective rsonal injury or |
| I have | - La hanne and the second seco | | | _ Commissions _ | II 1085 | | |
| Inspector's Sign | ature | The street of th | | | | e, Province, and E | ndorsements |
| Date 11-4 .20 | <u></u> | | | | | | |

| 1. | | xelon Generation Co. Exelon Way, Kennett | | Date 10/23/2007 Sheet 1 of 1 | | | | | |
|------------------------------------|---|---|--|-------------------------------------|-------------------------------|--|---|--------------------------------------|--|
| 2. | | Braidwood Station Ur 0 S. Rte. 53, Suite 84 | | 107 | | Work Order #00917278-01 Repair Organization P.O., Job No., etc | | | |
| 3. | | d By: Shaw / Stone & 0 S. Essex Road, Wil | | | | Aut | de Symbol Stamp: thorization No.: Not piration Date: None | ne | |
| 4. | Identification of | System: Chemical V | olume and Contro | (CV) Class 2 | portion of system | ⊢ ^} | siration bate. None | , | |
| 5 | (b) Applicable E | construction Code: As dition of Section XI Upde Cases used: Nor | tilized for Repairs o | | | | | 82, 1683, 1685, 1729, 1734, N-180 | |
| 6. | Identification of Com | ponents Repaired or | Replaced and Rep | lacement Com | ponents: | | | | |
| | ame of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | |
| P | SA-1/4 Mechanical Snubber 1CV34008S | ITT Grinnell | S/N 21593 | Not Applicable | 1CV34008S | Not Recorded | Replaced | No | |
| Р | SA-1/4 Mechanical Snubber | Basic-PSA | S/N 42818 | Not Applicable | Cat ID 27625-1 UTC 2774272 | 2007 | Replacement | No | |
| 8. 9. | Tests Conducted: Remarks: VT-3 exists maintained on file | Other | | Applicable p | sig Test Temp. <u>No</u> | | | of final review and | |
| rule | certify that the statem as of the ASME Code, ned Bundan Owner or Ow | Section XI. Type C | ort are correct and to ode Symbol Stamp | : Not Applicab | nt conforms to the | | : Not Applicable | | |
| and | e undersigned, holding employed by HSBCT to the best of my know | of CT have inspected | ssued by the Natio | nal Board of Bo escribed in this | Owner's Report du | ring the period 1 | 2/11/2006 to 10/23/ | 2007, and state | |
| By s | ordance with the requires signing this certificate in asures described in this perty damage or a loss | neither the Inspector r s Owner's Report. Fu | or his employer marthermore, neither | the Inspector n | or his employer sha on. | li be liable in any | | | |
| | Inspector's Signa | tora | | | _ Commissions | | te, Province, and E | ndoreomente | |
| ∩ata | inspectors Signa | | | | ivai | ionai bodiu, Sid | ie, Frovince, and E | ndorsements | |

Date 11/19/2007

Sheet 1 of 1

Owner : Exelon Generation Co., LLC

Address: 300 Exelon Way, Kennett Square, PA 19348

1.

| | aidwood Station Un S. Rte. 53, Suite 84 | Work Order #00855000-01 Repair Organization P.O., Job No., etc | | | | | |
|--|--|--|--|--|--|---|--|
| 3. Work Performed Address: 36400 | By: Shaw / Stone of S | & Webster mington, IL 60481 | | | Auth | e Symbol Stamp: norization No.: Not ration Date: None | ne |
| 4. Identification of S | ystem: Chemical a | nd Volume Control | (CV) (Class 2 | 2 System) | Exp | ration Date: None | , |
| (b) Applicable Edit | | ilized for Repairs o | | ter 1972 Addenda, ts: 1989 Edition wit | | | |
| 6. Identification of Compo | onents Repaired or | Replaced and Rep | lacement Com | ponents: | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| ER 316/316L Weld Rod 1/8" Diameter) for Body-to- 3onnet Seal Weld for Valve 1CV8368C | Arcos Alloys | Lot DT6396 | N/A | Cat ID 8500-1 UTC 2033348 | 1992 | Replacement | No |
| 7. Description of Work: was examined by liqu | | | nat was remov | ed to gain access to | valve internals f | or surveillance insp | pection. Seal weld |
| 8. Tests Conducted: | Hydrostatic 🔲 F | neumatic 🗌 Nom | inal Operating | Pressure 🛛 | | | |
| | Other | Pressure 2244 | .3 psig Test | Temp. <u>91</u> °F | | | |
| Remarks: Although e Mode 3 walk down (To material certifications | est Block A01ZZ-00 | 0078-M04-03A) on | 10/25/2007. | Pressure from Clas | s 1 surveillance, i | | |
| We certify that the statemen rules of the ASME Code, Se | ts made in the repo | rt are correct and th | FICATE OF Conis replacement Not Applicab | nt conforms to the | authorization No.: | Not Applicable | |
| Signed Bundan Owner or Owner | r's Designee, Title | ISI Coore | dinator [| Date <u>///9</u> | , 20 <u>07</u> | | |
| والمستقدة والمستقدين والمستقدين والمستقداء والمستقدان والمستقدين والمستقدين والمستقدان والمستقدان والمستقد | | CERTIFICA | TE OF INSER | VICE INSPECTION | | | and a supplied any agreement of the supplied and supplied |
| I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the requiren | CT have inspected and belief, the Own | ssued by the Nation the components de er has performed e | nal Board of Bo escribed in this | oiler and Pressure V Owner's Report du | essel Inspectors ring the period 3/ | 27/2007 to 11/19/2 | 007, and state that |
| By signing this certificate nei measures described in this C property damage or a loss of | wner's Report. Fur | thermore, neither t | he Inspector n | or his employer sha | nplied, concerning Ill be liable in any | g the examinations manner for any pe | and corrective irsonal injury or |
| 1 h | el. | | | Commissions | II 10 85 | | |
| Inspector's Signatui | ·e | *************************************** | | Nat | tional Board, State | e, Province, and E | ndorsement s |
| Date 11-24 | | | | | | | |
| | | | edica angularen amazar a derimentaria delentra ara angulara angulara angulara angulara angulara angulara angul | The second of th | | enakera mangapatan ana mangapara salahan kenakera mangaran pangapan salah man akera kenakera kenakera kenakera k | |
| | | | | | | | |

| 1. | 1. Owner : Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 | | | | | | Sheet 1 of 1 | | | |
|---|---|--|--|---|--|---|--|--|--|--|
| Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 | | | | | | | rk Order #0091727 pair Organization P | | | |
| 3. | | By: Shaw / Stone & S. Essex Road, Wil | Auti | Code Symbol Stamp: None Authorization No.: None | | | | | | |
| 4. | Identification of S | ystem: Chemical V | /olume & Control (0 | CV) Class 2 pc | ortion of system | Exp | iration Date: None | • | | |
| 5 | . , | | | | nmer 1974 Addenda ts: 1989 Edition with | | 644 Revision 7, 16 1686, 1651, 1728, and N-108 | | | |
| | | le Cases used: No | | , | | | | | | |
| 6. | Identification of Comp | onents Repaired or | Replaced and Rep | lacement Com | ponents: | | | | | |
| Na | ame of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| P | SA-1/4 Mechanical Snubber 1CV13054S | ITT Grinnell | S/N 14985 | Not Applicable | 1CV13054S | Not Recorded | Replaced | No | | |
| P: | SA-1/4 Mechanical Snubber | ITT Grinnell | S/N 2092 | Not Applicable | Cat ID 27625-1 UTC 2704784 | Not Recorded | Replacement | No | | |
| 7. 8. 9. | Description of Work: 484694). Replacem Tests Conducted: Remarks: VT-3 exam | ent snubber was fur Hydrostatic | nctionally tested pri | or to installation ninal Operating Applicable pr | n. Pressure ☐ sig Test Temp. <u>No</u> | t Applicable_ °F | | | | |
| rule | are maintained on file certify that the statemer s of the ASME Code, Se ned **Bundan** Owner or Owner | its made in the repo | ort are correct and to ode Symbol Stamp | : Not Applicab | nt conforms to the | uthorization No.: 20 <u>0</u> 7 | Not Applicable | | | |
| and that acco By s mea | e undersigned, holding a employed by HSBCT of to the best of my knowle ordance with the required igning this certificate ne sures described in this C erty damage or a loss o | CT have inspected edge and belief, the ments of the ASME ither the Inspector in Dwner's Report. Fu | ssued by the Nation the components de Owner has perform Code, Section XI. For his employer marthermore, neither the section of the control of the section of the control of | nal Board of Bo escribed in this ned examination akes any warra the Inspector n | Owner's Report during and taken correct only, expressed or import his employer shall be considered from the control of the con | ing the period 1; tive measures di plied, concernin | 2/12/2006 to 11/21/ escribed in this Ow g the examinations | 2007, and state mer's Report in and corrective | | |
| | 1 hou | u | | | Commissions | II 1085 | | | | |
| | inspector's Signatu | re | | | Nati | onal Board, Stat | e, Province, and E | ndorsemen ts | | |
| O - 4 | 11 24 00 -0 | 1 | | | | | | | | |

Date 11/26/2007

| - · · · · · · · · · · · · · · · · · · · | Exelon Generation (Exelon Way, Kenr | | Date 11/26/2007 Sheet 1 of 1 | | | | |
|--|---|--|---------------------------------|---|-------------------------------------|--|-------------------------------------|
| | Braidwood Station 00 S. Rte. 53, Suite | Unit 1 e 84, Braceville, IL 604 | 407 | | | Order #00919686 ir Organization P.0 | |
| | | Station Mechanical Ne 84, Braceville, IL 604 | | | Autho | Symbol Stamp: Norization No.: None | |
| 4. Identification | of System: Chemic | al and Volume Contro | ol (CV) (Class | 2 Portion of System) | Expir | ation Date: None | |
| (b) Applicable | Construction Code: Edition of Section X code Cases used: | I Utilized for Repairs | 71 Edition, Su or Replaceme | mmer 1972 Addenda, f nts: 1989 Edition with I | No Code Cases No Addenda | | |
| 6. Identification of Co | mponents Repaired | or Replaced and Rep | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Valve 1CV8149C internals | Copes Vulcan | Not Recorded | Not Applicable | Valve 1CV8149C | Unknown | Replaced | No |
| Valve trim kit (consists | SPX Valves & Controls | Valve Trim Kit Set | Not | Cat ID 35955-1 UTC 2746893 | 2006 | Replacement | No |
| f plug, stem and cage) | | 0621-125051-1-1 (0603) | Applicable | | | | |
| | | Plug Serial Number 603, Heat 60958 | | | | | |
| 9. Remarks: VT-2 e M04-03A, WO# 93 is maintained on f We certify that the stater rules of the ASME Code | 30279-01). No evid | ence of leakage was CERT report are correct and | noted. Applica | scending Mode 3 walk able documentation (Focumentation of Compliance and conforms to the ble Certificate of Aut | rm N-2) was att | ached at the time of | 01ZZ-000078- of final review and |
| Signed Bunday Owner or O | M. Cased wners Designee, T | ISI Coo | ordinator | Date | 007 | | |
| | | CERTIFIC | ATE OF INSE | RVICE INSPECTION | | | |
| I, the undersigned, holding and employed by HSBC to the best of my knowled accordance with the requirements. | T of CT have inspec dge and belief, the uirements of the AS | ited the components of Owner has performed ME Code, Section XI. | described in the examinations | is Owner's Report durin and taken corrective m | g the period 4/9 easures describ | 9/2007 to 11/26/200 ped in this Owner's | 07, and state that Report in |
| By signing this certificate measures described in the property damage or a los | nis Owner's Report. | Furthermore, neither | the inspector | nor his employer shall I | nea, concerning be liable in any | rane examinations manner for any per | and corrective sonal injury or |
| | | | | Commissions | II 1085 | | |
| Inspector's Sign | nature | and the second s | | Natio | nai Board, State | e, Province, and En | dorsements |
| Date 11-27- , 202 | 27 | | | | | | |

| | xelon Generation C Exelon Way, Kenn | | | Date 12/19/2007 Sheet 1 of 1 | | | | |
|--|---|---|------------------------------------|---|-----------------------------------|---|-------------------------------------|--|
| | Braidwood Station 0 S. Rte. 53, Suite | | 0407 | | | rk Order #0079262 pair Organization P. | | |
| | ed By: Shaw / Stor 00 S. Essex Road, \ | | 81 | | Aut | de Symbol Stamp: horization No.: Nor | ne | |
| 4. Identification of | f System: Chemica | il and Volume Cont | rol (CV) (Class | 2 System) | Ext | piration Date: None | | |
| (b) Applicable E | | Utilized for Repairs | | inter 1972 Addenda, No ents: 1989 Edition with | | | | |
| 6. Identification of Com | ponents Repaired | or Replaced and R | eplacement Co | mponents: | T | 7 | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | |
| Relief Valve 1CV8119 | Crosby | Not Recorded | Not Applicable | 1CV8119 | Not Recorded | Replaced | Yes | |
| Crosby Relief Valve (2" diameter inlet) | Anderson Greenwood Crosby | N56901-04- 0038 | Not Applicable | Cat ID 1417018-1* UTC 2788285 | 2007 | Replacement | Yes | |
| Remarks: VT-2 wa valve was attached | s performed on 10/ | | ice of leakage w | Temp. <u>88</u> °F | locumentation | (Form NV-1) for rep | placement relief | |
| We certify that the statem rules of the ASME Code, | ents made in the re Section XI. Type | port are correct and | d this replaceme | ble Certificate of Aut | | Not Applicable | | |
| Signed <u>Houndar</u> Owner or Ow | 2 <u> A. Casu</u> ner's Designee, 141 | | SI Coordinator | Date _/. | 2/19 , 20 | 07 | | |
| | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the requil | of CT have inspecte ge and belief, the O | ed the components wner has performed | described in thi d examinations | is Owner's Report durin | g the period 2 | 8/2007 to 12/19/200 | 07, and state that | |
| By signing this certificate r measures described in this property damage or a loss | Owner's Report. I | Furthermore, neithe | r the Inspector | nor his employer shall t | ied, concernin e liable in any | g the examinations manner for any per | and corrective rsonal injury or | |
| 1 4 | ·Lu | | | Commissions | IL1085 | | | |
| Inspector's Signa | ture | the dilayers to the first any other laying and the digital the energy and provide any and any any and any any | · | Nation | nal Board, Stat | e, Province, and Er | dorsements | |
| 0010 10 -19- 00 0 | way | | | | | | | |

| 1. | | | lon Generation Co., kelon Way, Kennett | | 3 | | | e 9/18/2007 et 1 of 1 | |
|--------------|-------------------|---|---|---|-----------------------|---|---|---|--------------------------------------|
| 2. | | | aidwood Station Un S. Rte. 53, Suite 84 | | 107 | | | k Order #0090921 air Organization P | |
| 3. | | | By: Braidwood Me S. Rte. 53, Suite 84 | | | | Auth | le Symbol Stamp: norization No.: Nor iration Date: None | ne |
| 4. | | Identification of S | ystem: Main Steam | (MS) Class 2 sys | tem | | Exp | mation Date. None | |
| 5 | (a) (b) (c) | Applicable Edit | | ilized for Repairs o | | nmer 1974 Addenda ts: 1989 Edition wit | e | | 82, 1683, 1685, 1729, 1734, N-180 |
| _ | | | | | | | | | |
| 6. | Iden | tification of Compo | nents Repaired or Name of | Replaced and Rep | lacement Com | ponents: | T | Repaired, | ASME Code |
| Ν | lame o | of Component | Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Stamped (Yes |
| F | S |) Mechanical nubber S01088S | ITT Grinnell | S/N 6042 | Not Applicable | 1MS01088S | Not Recorded | Replaced | No |
| F | |) Mechanical nubber | Basic-PSA, Inc. | S/N 41265 | Not Applicable | Cat ID 27676-1 UTC 2052208 | 2000 | Replacement | No |
| 9. | Rer | sts Conducted: marks: VT-3 exam If review and are m | Other I | | Applicable p | Pressure Sig Test Temp. No Applicable Manuf | | eports were attache | ed at the time of |
| rule | s of th | e ASME Code, Se | ts made in the reportion XI. Type Co | rt are correct and to de Symbol Stamp: | : Not Applicab | | | Not Applicable | |
| | | | | | | VICE INSPECTION | | | |
| and to th | emplo ne best | yed by HSBCT of tof my knowledge | CT have inspected t | the components de er has performed e | escribed in this | oiler and Pressure V Owner's Report dur nd taken corrective | ring the period 7/ | 12/2007 to 9/18/20 | 07, and state that |
| mea | sures | described in this C | ther the Inspector no owner's Report. Fur any kind arising from | thermore, neither t | he inspector n | nty, expressed or im or his employer shal on. | iplied, concerning If be liable in any | g the examinations manner for any pe | and corrective rsonal injury or |
| | 1 | i - | | | | | | | |
| | ーナ Ir | nspector's Signatur | e | | | Commissions Nati | IL1085 onal Board, State | e. Province, and Er | ndorsements |
| ~ | 10 | | | | | | , = - | , = = = | |

| 1. Owner : Address: | Exelon Generation (300 Exelon Way, Kenn | | | Date 10/31/2007 Sheet 1 of 1 | | | |
|--|--|---|---|---|------------------|---|-------------------------------------|
| | e: Braidwood Station 85100 S. Rte. 53, Suite | | 0407 | | | rk Order #01066978 air Organization P. | |
| 3. Work Perfo | irmed By: Shaw / Stor 6400 S. Essex Road, | ne & Webster | | | Cod Auti | le Symbol Stamp: I | Vone |
| 4. Identification | on of System: Main Ste | eam (MS) (Class 2 | ? System) | | Exp | iration Date: None | |
| (b) Applicab (c) Section | le Edition of Section X XI code Cases used: 1 | I Utilized for Repairs None | s or Replaceme | Addenda, No Code Conts: 1989 Edition with | | | |
| | Components Repaired | | epiacement Cor | | T W 5 1 | | T 46415 6 |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| 6" Safety Relief Valve Main Disc | Dresser | Not Recorded | Not Applicable | Valve 1MS016D Serial Number BR09645/ Cat ID 138867-1/ UTC 2669769 | Unknown | Replaced | Yes (Valve) |
| 6" Safety Relief Valve Main Disc | Dresser | ADE70 | Not Applicable | Cat ID 1387627-1 UTC 2780097 | 2001 | Replacement | No |
| position. 8. Tests Conducte 9. Remarks: Sect | ed: Hydrostatic COth | Pneumatic Note Pressure | ominal Operatin psig Tes was leak check | _ | plicable docum | entation for vendor | report of |
| rules of the ASME Co | | eport are correct and Code Symbol Stan | np: Not Applica | ent conforms to the ble Certificate of Aut | horization No.: | * * | |
| Owner or | Owner's Designee, Tit | tle | itor | | te <u>10437</u> | , 20 <u>07</u> | |
| | | | | | | | |
| | | | | RVICE INSPECTION | | | |
| and employed by HSB | ICT of CT have inspect rledge and belief, the (| led the components Owner has performe | described in thi dexaminations | Boiler and Pressure Veris Owner's Report during and taken corrective n | ig the period 10 | 0/3/2007 to 10/31/20 | 007, and state that |
| | this Owner's Report. | Furthermore, neithe | er the Inspector | anty, expressed or imp nor his employer shall l tion, | | | |
| 1 6 | - Luan | | | O sum om for the an | U 400F | | |
| Inspector's S | ignature | rkit magamitikaginkang ingung daga ganang ganang anang anang anang anang anang an | | Commission s Natio | | e, Province, and Er | ndorsements |
| Date 10-31 2 |) <u>o</u>] | | | | | | |

| | xelon Generation C Exelon Way, Kenn | o., LLC ett Square, PA 193 | Date 10/31/2007 Sheet 1 of 1 | | | | |
|---|--|--|--|---|--|---|---------------------|
| | Braidwood Station 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6 | 0407 | | | rk Order #01066980 pair Organization P. | |
| | d By: Shaw/Stor 0 S. Essex Road, \ | ne & Webster Wilmington, IL 6048 | 31 | | Aut | de Symbol Stamp: 1 horization No.: Non iration Date: None | |
| 4. Identification of | System: Main Ste | am (MS) (Class 2 | System) | | LAP | mation Date. None | |
| (b) Applicable E | construction Code: dition of Section XI ode Cases used: N | Utilized for Repairs | 974 Edition, No s or Replaceme | Addenda, No Code Cants: 1989 Edition with | ases No Addenda | | |
| 6. Identification of Corr | | | eplacement Col National | mponents: Other Identification | Year Built | Danairad | ASME Code |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | Board No. | Other identification | Year built | Repaired, Replaced, or Replacement | Stamped (Yes or No) |
| 6" Safety Relief Valve Main Disc | Dresser | Not Recorded | Not Applicable | Valve 1MS015D Serial Number BR09641/ Cat ID 138867-1/ UTC 2790697 | Unknown | Replaced | Yes (Valve) |
| 6" Safety Relief Valve Main Disc | Dresser | ADE44 | Not Applicable | Cat ID 1387627-1 UTC 2780097 | 2001 | Replacement | No |
| | Oth | | psig Tes | - | | | |
| | ents made in the re Section XI. Type J. Casus ner's Designed, Tit | port are correct and Code Symbol Stan ISI Coordina | np: Not Applica | ent conforms to the able Certificate of Aut | horization No te <u>/b/3</u> / | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowled | of CT have inspect ge and belief, the C | n issued by the Nat ed the components Owner has performe | tional Board of E described in the ed examinations | is Owner's Report durin | ig the period 1 | 0/3/2007 to 10/31/2 | 007, and state that |
| accordance with the requirements by signing this certificate reasures described in this property damage or a loss | neither the Inspecto s Owner's Report. | r nor his employer i Furthermore, neithe | makes any warr ar the Inspector | nor his employer shall I | | | |
| 1 he | | | | Commissions | IL1085 | | |
| Inspector's Signa | iture | | garthian agus Meithiang Annindag yn Phalland Meithian (hann i rywr Arnin | | | te, Province, and Er | dorsements |
| Date 10 - 3\ 200 | | general augmann ann an ann an an an an an an an an a | | | ethering (F 1976) his spirit demonstrative (Albert League) helik konstructive (Albert League) helik konstructive | | |

| 1. | | elon Generation Co. Exelon Way, Kennett | | 3 | | | e 10/23/2007 eet 1 of 1 | |
|-------------------------------------|---|--|--|--|--|---|--|--|
| 2. | | iraidwood Station Ur S. Rte. 53, Suite 84 | | 407 | | | rk Order #0091728 pair Organization P | |
| 3. | | By: Shaw / Stone & S. Essex Road, Wil | | | | Auti | le Symbol Stamp: norization No.: No | ne |
| 4. | Identification of S | System: Reactor Co | olant (RC) Class 1 | portion of sys | tem | Exp | iration Date: None | } |
| 5 | (a) Applicable Co | nstruction Code: AS | SME Section III 19 | 74 Edition, Sun | nmer 1974 Addenda | | 1686, 1651, 1728, | 682, 1683, 1685, 1729, 1734, N-180 |
| | | ition of Section XI Ut de Cases used: Nor | | or Replacemen | its: 1989 Edition wit | | and N-108 | |
| 6. | Identification of Comp | onents Repaired or | Replaced and Rep | placement Com | ponents: | | | |
| Na | me of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| PS | SA-1/4 Mechanical Snubber 1RC16114S | ITT Grinnell | S/N 9466 | Not Applicable | 1RC16114S | Not Recorded | Replaced | No |
| PS | SA-1/4 Mechanical Snubber | Basic-PSA | S/N 42823 | Not Applicable | Cat ID 27625-1 UTC 2782234 | Not Recorded | Replacement | No |
| 8. 9. | Tests Conducted: Remarks: VT-3 exar is maintained on file. | Other | | Applicable p | sig Test Temp. No | | itached at the time | of final review and |
| rules | certify that the statement of the ASME Code, So ed Bundan Owner or Own | ection XI. Type Co | rt are correct and t | : Not Applicab | nt conforms to the le Certificate of A | uthorization No.: 20 <i>07</i> | Not Applicable | |
| and e that to accor By sig | undersigned, holding a employed by HSBCT of the best of my knowled dance with the required gning this certificate ne dures described in this (| CT have inspected edge and belief, the ments of the ASME in the the Inspector name in th | ssued by the Nation the components do Owner has perform Code, Section XI. or his employer ma | nal Board of Bo escribed in this ned examination | Owner's Report during and taken correct only expressed or im | ing the period 12 tive measures di plied, concernin | 2/11/2006 to 10/23/ escribed in this Ow g the examinations | 2007, and state ner's Report in and corrective |
| | erty damage or a loss o | | | | on. | , | | |
| | Inspector's Signatu | ire | | | Commissions Nati | IL1085 onal Board, Stat | e, Province, and E | ndorsements |
| | 10 - 3 | | | | | | , a consequent that | |

| | lon Generation Co., telon Way, Kennett | , LLC Square, PA 19348 | 3 | | | e 10/30/2007 eet 1 of 1 | |
|--|--|---|--|--|--|---|------------------------|
| | aidwood Station Un S. Rte. 53, Suite 84 | nit 1 I, Braceville, IL 604 | 107 | | | rk Order #0092680 pair Organization P | |
| | By: Shaw / Stone & S. Essex Road, Wil | | | | Aut | de Symbol Stamp: horization No.: Nor iration Date: None | ne |
| 4. Identification of S | ystem: Reactor Co | olant (Steam Gene | erator) (RC) Cla | ass 1 | | | |
| (b) Applicable Edit (c) Section XI code | ion of Section XI Ut e Cases used: Nor | tilized for Repairs one | or Replacemen | nmer 1976 Addenda. ts: 1989 Edition with | , Code Cases: N n No Addenda | lone | |
| 6. Identification of Compo | nents Repaired or Name of | Replaced and Rep Manufacturer | National | ponents: Other | Year Built | Repaired, | ASME Code |
| Name of Component | Manufacturer | Serial No. | Board No. | Identification | Teal Duik | Replaced, or Replacement | Stamped (Yes or No) |
| Control Valve of Hydraulic Snubber 1RC01BC-B | Boeing | Snubber Assembly Serial Number 21 | Not Applicable | 1RC01BC-B | Not Recorded | Replaced | No |
| Control Valve Assembly (Part D275-N0209-1, 2, 3) | Grinnell Corporation | 45605-1 | Not Applicable | Cat ID 17296-1 UTC 2043070 | 1999 | Replacement | No |
| 9. Remarks: VT-3 exam the time of final review We certify that the statemen rules of the ASME Code, Se Signed Breadan Cowner or Owner | Hydrostatic F Other of snubber suppor v and are maintaine ts made in the repo | Pneumatic Nom Pressure Not A t was performed afed on file. CERTII ort are correct and ti | Applicable parter reinstallation FICATE OF COMBINE TO THE PROPERTY OF COMBINE TO THE PROPERTY OF THE PROPERTY | Pressure sig Test Temp. No: n under WO# 92681 | 9-01. Applicabl | e material certificat | ion was attached a |
| I, the undersigned, holding a | valid commission is | | | VICE INSPECTION | essel Inspectors | and the State of P | rovince of II |
| and employed by HSBCT of to the best of my knowledge accordance with the requiren | CT have inspected and belief, the Own | the components dener has performed e | escribed in this | Owner's Report dur | ing the period 1 | 0/4/2007 to 10/30/2 | 007, and state that |
| By signing this certificate neit measures described in this C property damage or a loss of | wner's Report. Ful | rthermore, neither t | he Inspector n | or his employer shall | | | |
| | | | | | | | |
| Inspector's Signatur | e | | and the specific de Albertains on the Post of the September 2 and the specific of | _ Commissions Nati | IL1085 onal Board, Stal | te, Province, and E | ndorsement s |
| Date 10-30 .20.07 | | | | | | | |
| | and the second s | | | | and the second s | | |

| | Owner : Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 Date 11/5/2007 Sheet 1 of 1 | | | | | | | | | |
|--|---|---|---|---|--|---|------------------------------------|--|--|--|
| | raidwood Station Ur S. Rte. 53, Suite 84 | | 07 | | | ork Order #0092591 pair Organization P | | | | |
| | By: Shaw / Stone & S. Essex Road, Wil | | | | Au | de Symbol Stamp: thorization No.: Nor piration Date: None | ne | | | |
| 4. Identification of | System: Reactor Co | olant (RC) Class 1 | system | | Ser. | piranori Bato. Trono | | | | |
| (b) Applicable Ed | instruction Code: AS ition of Section XI Ut de Cases used: No | tilized for Repairs o | | | | 1644 Revision 7, 16 1686, 1651, 1728, and N-108 | | | | |
| V-2 | | | la | | | | | | | |
| 6. Identification of Comp | Name of | Heplaced and Hep | lacement Com | ponents: | | Repaired, | ASME Code | | | |
| Name of Component | Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Stamped (Yes or No) | | | |
| PSA-1/2 Mechanical Snubber 1RC17052S | ITT Grinnell | S/N 8581 | Not Applicable | 1RC17052S | Not Recorded | Replaced | No | | | |
| PSA-1/2 Mechanical Snubber | ITT Grinnell | S/N 9573 | Not Applicable | Cat ID 27530-1 UTC 2035422 | Not Recorded | Replacement | No | | | |
| 9. Remarks: VT-3 example are maintained on fill We certify that the stateme rules of the ASME Code, S Signed | other of snubber was peres. Ints made in the reportation XI. Type Co | rformed after reinst CERTIF rt are correct and the code Symbol Stamp: | tallation. Appli tallation Appli FICATE OF COnis replacemen Not Applicab | cable Manufacturer DMPLIANCE at conforms to the le Certificate of A | s Data Reports | Attached at the time | e of final review and | | | |
| I, the undersigned, holding | | ssued by the Nation | nal Board of Bo | | | | | | | |
| and employed by HSBCT of to the best of my knowledge accordance with the require | and belief, the Own ments of the ASME | er has performed e Code, Section XI. | examinations a | nd taken corrective | measures descr | ribed in this Owner's | Report in | | | |
| By signing this certificate ne measures described in this property damage or a loss of | Owner's Report. Fur | thermore, neither ti | he Inspector n | or his employer shal | plied, concernir I be liable in any | ng the examinations y manner for any pe | and corrective rsonal injury or | | | |
| 1 | 4 | | | Commission | H 1005 | | | | | |
| Inspector's Signate | ire | | | Commissions Nati | | te, Province, and Er | ndorsement s | | | |
| Date \\- 4- 2007 | | | | | | | | | | |

| | xelon Generation C Exelon Way, Kenne | o., LLC ett Square, PA 19348 | 3 | Date 11/26/2007 Sheet 1 of 1 | | | | | |
|--|--|---|--|--|------------------------------------|---|-------------------------------------|--|--|
| | Braidwood Station 90 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 604 | 107 | | | Order #01067477 r Organization P.0 | | | |
| | | fechanical Maintenar 84, Braceville, IL 604 | | | Autho | Symbol Stamp: Norization No.: Nonition Date: None | | | |
| 4. Identification o | f System: Reactor (| Coolant (RC) (Class | 1 System) | | Expire | ator bate. Hone | | | |
| (b) Applicable E | Construction Code: Edition of Section XI Code Cases used: N | Utilized for Repairs of | 71 Edition, Winter or Replacements | er 1972 Addenda, No C s: 1989 Edition with No | ode Case Addenda | | | | |
| | | or Replaced and Rep | —————————————————————————————————————— | | | r | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| Valve Bonnet Assembly for Kerotest 1.5" 1500# Manual Valve | Kerotest | Not Recorded | Not Recorded | 1RC8042C | Not Recorded | Replaced | Yes | | |
| Bonnet Assembly removed from spare 1.5" Class 600 Valve* | Kerotest | Valve Serial Number AME3-11 Bonnet Serial Number APH | Not Applicable | Cat ID 1973-1 UTC 2007669 | 1988 | Replacement | Yes | | |
| and Section III Class 8. Tests Conducted: 9. Remarks: VT-2 pe | Hydrostatic Othe | ents. Pneumatic Norrer Pressure 2: | ninal Operating I 244.3 psig T | n for valves 2" NPS and Pressure ☑ 'est Temp. <u>555.2</u> °F lance (Test Block A01Z is attached at the time o | Z-000005-M04 | 1-01A, WO# 9302 | | | |
| | | CERT | IFICATE OF CO | OMPLIANCE | | | | | |
| We certify that the statem rules of the ASME Code, Signed Younday. Owner or Ow | Section XI. Type | Code Symbol Stamp | : Not Applicable | Certificate of Author | rization No.: N 26, 20_0 | | | | |
| | | | | | | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowled accordance with the requi | of CT have inspecte ge and belief, the Over rements of the ASM | n issued by the Nation and the components de wner has performed of E Code, Section XI. | nal Board of Boi escribed in this (examinations an | Owner's Report during t id taken corrective mea | he period 10/2 sures describe | 2/2007 to 11/26/20 ed in this Owner's | 007, and state that Report in | | |
| By signing this certificate r measures described in this property damage or a loss | s Owner's Report. F | Furthermore, neither t | he Inspector no | r his employer shall be | i, concerning t liable in any m | the examinations a anner for any per | and corrective sonal injury or | | |
| I bree- | | | | 2 | | | | | |
| Inspector's Signa | lure | | and the state of t | | 1085 Board, State, | Province, and En | dorsements | | |
| Date 11-27 - 200 | | | | | | | | | |
| | | | | | | | | | |

| 1. | | Exelon Generation Co. 0 Exelon Way, Kennett | | | Date 11/7/2007 Sheet 1 of 1 | | | |
|-----------------------------|--|--|--|------------------------------------|--------------------------------|---|---|-------------------------------------|
| 2. | | Braidwood Station Ur 100 S. Rte. 53, Suite 84 | | .07 | | | rk Order #0092635 pair Organization P | |
| 3. | Address: 35 | ned By: Shaw / Stone & 100 S. Rte. 53, Suite 84 | , Braceville, IL 604 | | | Aut | de Symbol Stamp: horization No.: Noi iration Date: None | ne |
| 4. | Identification | of System: Reactor Co | olant/Steam Gene | rator (Class 2 | Portion of Vessel) | | | |
| (1 | b) Applicable | Construction Code: AS Edition of Section XI U Code Cases used: No | tilized for Repairs o | | | | | |
| 6. ld | dentification of Co | mponents Repaired or | Replaced and Rep | lacement Con | ponents: | | | Г |
| Name | of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Secon Cover E | eam Generator ndary Manway Bolting (Studs 2 and 14) | Unknown | Unknown | Not Applicable | 1RC01BD Studs #2 and #14 | Unknown | Replaced | No |
| Manwa | y Stud, 1 5/8"-8 | Babcock & Wilcox / NOVA Machine Products | Heat Code DVE Lot 35449040 | Not Applicable | Cat ID 47089-1 UTC 2038710 | 1996 | Replacement | No |
| Manwa | y Nut, 1 5/8"-8 | Babcock & Wilcox / NOVA Machine Products | Heat Code DVJ Lot 35395033 | Not Applicable | Cat ID 47168-1 UTC 2790920 | 1996 | Replacement | No |
| 1 | | ork: Replacement two s cured in accordance with Hydrostatic F | | 1 rules. | | econdary manwa | ys are Section XI C | Class 2, bolting |
| | | Other In XI pressure testing is akage identified. Applic | | ection was vis | ually examined for | leakage during as | - scending Mode 3 w | |
| We cer rules o Signed | the ASME Code | ments made in the repo , Section XI. Type Co | rt are correct and the | Not Applicab | nt conforms to the | | Not Applicable | |
| and em to the b | ployed by HSBC est of my knowled | ng a valid commission is Fof CT have inspected dge and belief, the Own irements of the ASME (| sued by the Nation the components de er has performed e | nal Board of Bo scribed in this | Owner's Report du | essel Inspectors ring the period 6/ | 22/2007 to 11/7/200 | 07, and state that |
| measur | es described in th | neither the Inspector no iis Owner's Report. Fur s of any kind arising froi | thermore, neither th | ne inspector ne | or his employer sha | nplied, concerning Il be liable in any | g the examinations manner for any per | and corrective rsonal injury or |
| 1 | Lee | | | | Commissions | IL1085 | | |
| | Inspector's Sign | ature | ىلىقىرى _{نىڭ} ئىرىنىڭ بەھىلىك ئىلىكىنىڭ يېزىنىڭ <u>ئىلىنىڭ ئىلىنىڭ ئىلىنىڭ ئ</u> ىلىكىنىڭ ئالىكىنىڭ ئالىنىڭ ئالىرىنىڭ ئ | Page 7-17 | Nat | | e, Province, and Er | dorsements |

Date 11-8- 2007

| | xelon Generation C Exelon Way, Kenne | | 48 | | | e 9/17/2007 eet 1 of 1 | |
|--|--|--|--|--|----------------------------|---|-------------------------------------|
| | Braidwood Station 0 S. Rte. 53, Suite | | 0407 | | | rk Order #00624310 pair Organization P. | |
| Address: 3510 | ed By: Braidwood M 00 S. Rte. 53, Suite | 84, Braceville, IL 6 | 0407 | | Coc Auti | le Symbol Stamp: I horization No.: Nor iration Date: None | None |
| 4. Identification of | f System: Residual | Heat Removal (RI | H) (Class 2 Sys | stem) | | | |
| (b) Applicable E | construction Code: dition of Section XI ode Cases used: N | Utilized for Repair | 1971 Edition, Su s or Replaceme | ummer 1972 Addenda, ents: 1989 Edition with | No Code Case No Addenda | s | |
| 6. Identification of Com | | | | | Van Dulk | Danaisad | LAGNEGIA |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Spare Pump Stuffing Box Extension Pieces | Ingersoll-Rand | 93337 | Not Applicable | Serial Number 93337 | Unknown | Repaired | No |
| Spare Pump Stuffing Box Extension Pieces | Ingersoll-Rand | 61994 | Not Applicable | Serial Number 61994 | Unknown | Repaired | No |
| 3/32" Diameter ER308L | Arcos Alloys | Lot No. CT6834 | Not Applicable | Stores Item Number 611A13 | 1996 | Replacement | No |
| | | | | RIN/QRI M97-05700 | | | |
| Refurbishment con grinding liquid pene | sisted of recondition etrant examination, | ning existing weldm adding additional n | nent pads (eight naterial by weldi | uffing box extension pied per stuffing box extensing, machining weldments were taken to LaSal | sion piece) by r | ninor grinding, performmended dimension | orming post ons, and |
| 8. Tests Conducted: | • | Pneumatic N | • | | | a. m. | |
| | Othe | er [] Pressure _ | Not applicable | psig Test Temp | Not applicable | °F | |
| Remarks: Section for filler materials us | | | | n pieces to be returned file. | to Stores as s | pare stock. Applica | ible documentation |
| We certify that the statem | ents made in the re | port are correct and | TIFICATE OF C | ent conforms to the | | | |
| rules of the ASME Code, | Section XI. | - | * * | | - / | • • | |
| Olgi lou | ner's Designee, Titl | ISI Coordina | itor | Da | te <u>9//7</u> | 20 07 | |
| | | | | | | | |
| | | | | | | | |
| I, the undersigned, holding and employed by HSBCT the best of my knowledge accordance with the requir | of CT have inspecte and belief, the Own | n issued by the Nat ed the components er has performed o | tional Board of E described in thi examinations an | is Owner's Report durir | ig the period 5/ | 4/2007 to 9/17/200 | 7, and state that to |
| By signing this certificate r measures described in this property damage or a loss | neither the Inspector s Owner's Report. F | r nor his employer Furthermore, neithe | makes any warr er the Inspector | nor his employer shall i | | | |
| 1 h | and the same of th | | | Commissions | IL1085 | | |
| Inspector's Signa | ture | n aadan saa qayab iliidi dahaan iliaan saa saa Miladdi di aa aadamaa ayabaad aa dii aadai aasa iliyo | والمراجعة والمستخدمة والمستخدم والمستخدمة والمستخدمة والمستخدمة والمستخدمة والمستخدمة والمستخدم والمستخدمة والمستخدمة والمستخدمة والمستخدمة والمستخدمة والمستخدم والمستخدمة والمستخدم | | | e, Province, and Er | ndorsements |
| | | | | | | | |

| | Owner : Exelon Generation Co., LLC Date 11/5/2007 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1 | | | | | | | | | |
|--|--|--|--|--|---|---|--|--|--|--|
| | aidwood Station Un S. Rte. 53, Suite 84 | | 07 | | | k Order #0087662 air Organization P | | | | |
| | By: Braidwood Sta S. Rte. 53, Suite 84 | | | | Auth | e Symbol Stamp: norization No.: No iration Date: None | ne | | | |
| 4. Identification of S | ystem: Residual He | eat Removal (RH) | (Class 2 Syst | tem) | Exp | ration Date. None | • | | | |
| (b) Applicable Edit (c) Section XI Cod | estruction Code: AS tion of Section XI Ut le Cases used: Nor | ilized for Repairs one | r Replacemen | its: 1989 Edition w | No Code Cases ith No Addenda | | | | | |
| Identification of Compa | ments nepaired or | nepiaced and nep | acement Con | iponeriis. | | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | | |
| 3" Crosby Relief Valve | Crosby | N56904-00- 0033 | N/A | 1RH8708 A | Not Recorded | Replaced | Yes | | | |
| 3" Crosby Relief Valve | Crosby | N56904-00- 0012 | N/A | Cat ID 27642-1 UTC 2680949 | 1975 | Replacement | Yes | | | |
| Description of Work: under WO# 792225-0 failed as found lift tes Tests Conducted: Remarks: VT-2 example review and is maintain | and set point was t performed under B Hydrostatic Other performed and acc | verified under WC twMP 33-5-043 Ste Pneumatic Nom Pressure 45 cepted on 11/3/200 | # 792225-03 pp F.6. After a inal Operating psig Test T 7. Applicable | Set point was againseries of adjustment Pressure Fressure 77.5 °F documentation for the series of adjustment at the series of t | n verified by Braid nts, valve set poir | wood Mechanical it eventually was fo | Maintenance, valve ound acceptable. | | | |
| We certify that the statement rules of the ASME Code, Se Signed Owner or Owner | ction XI. Type Co | rt are correct and th | Not Applicab | nt conforms to the | Authorization No.: | Not Applicable | | | | |
| I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the requirer By signing this certificate nei measures described in this C property damage or a loss of Inspector's Signature. | CT have inspected and belief, the Own nents of the ASME of the rispector not be in the rispector not b | ssued by the Natior the components de er has performed e Code, Section XI. or his employer ma thermore, neither the | nal Board of Bo escribed in this examinations a kes any warra he Inspector n | Owner's Report during taken corrective into taken corrective inty, expressed or in or his employer sha on. | Vessel Inspectors aring the period 8/1 measures descril mplied, concerning all be liable in any (L1085 | 29/2007 to 11/5/20 bed in this Owner's the examinations | 07, and state that Report in and corrective rsonal injury or | | | |
| Date 11-4- 20 0 | 7 | | and an apply with the Confederation of the Confeder | | 100 may | | distribution of the second | | | |

| | Owner : Exelon Generation Co., LLC Date 11/13/2007 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1 | | | | | | | | | |
|---|---|--|---|--|---|---------------------------------|---|-------------------------------------|--|--|
| | | aidwood Station Un S. Rte. 53, Suite 84 | | 07 | | | k Order #0088912 air Organization P. | | | |
| | | By: Braidwood Sta S. Rte. 53, Suite 84 | | | | Auth | e Symbol Stamp: lorization No.: Nor ration Date: None | ne | | |
| 4. | Identification of S | ystem: Residual He | eat Removal (RH) | (Class 2 Syst | em) | LAPI | ration bate. None | | | |
| 5 (a) (b) (c) | Applicable Edit Section XI Cod | estruction Code: AS tion of Section XI Ut le Cases used: N-5 | ilized for Repairs o 608-2 | r Replacemen | ts: 1989 Edition wi | No Code Cases ith No Addenda | | | | |
| 6. Identi | ification of Compo | onents Repaired or | періасец апц пері | lacement Com | ponents: | | | | | |
| Name of | Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| 3" Crosby Relief Valve Crosby N56904-00- N/A 1RH8708B Not Recorded Replaced Yes 0035 | | | | | | | | | | |
| 3" Crosby Relief Valve Crosby N56904-00- 0033 N/A Cat ID 27642-1 Not Recorded Replacement Yes | | | | | | | | | | |
| | | Replaced existing r was verified under | | ly with tested s | spare refurbished v | alve assembly. V | alve was removed | from 1RH8708A | | |
| 8. Test | ts Conducted: | Hydrostatic F | Pneumatic 🗌 Nom | inal Operating | Pressure 🛛 | | | | | |
| | | Other | Pressure 45 | osig Test Tem | p. <u>80.1</u> °F | | | | | |
| 9. Rem | narks: VT-2 exam | performed and acc | cepted on 11/13/200 | 07. Code Cas | e N-508-2 for rotate | ed spare applies. | | | | |
| rules of the | ASME Code, Se | its made in the repo | rt are correct and the code Symbol Stamp: | Not Applicab | nt conforms to the le Certificate of | _ | Not Applicable | | | |
| Signed 7 | | r's Designee, Title | 2 ISI Coord | dinator [| Date | , 20 <u>07</u> | | | | |
| | | | | | | | | | | |
| CERTIFICATE OF INSERVICE INSPECTION I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/7/2007 to 11/13/2007, 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. | | | | | | | | | | |
| measures d | 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 fiable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. | | | | | | | | | |
| 1 | - Luce. | | | | _ Commissions _ | 11 1085 | | | | |
| ins | spector's Signatu | re | | | Na | itional Board, Stat | e, Province, and E | ndorsements | | |
| Date !!-! | S 20 07 | | | ililas pirajan 1774. gg 7774. ga 77774. "Allissoff 9.5." 1874 sa 8784. | | | | | | |

| 1. | Owner : Exelon | Generation Co., LI | LC | | | Date 1 | 1/28/2007 | | |
|--|--|---|--|---------------------------------------|--|-----------------------------------|--|---------------------------|--|
| | Address: 300 Exelo | on Way, Kennett Sc | quare, PA 19348 | | | Sheet | 1 of 1 | | |
| 0 | Diami Nama - Duniel | lument Caption I Inia | • | | | Morte C | 7:45: #0009E0E7 | 45 | |
| 2. | Plant Name: Braid Address: 35100 S. | Repair | Order #00985967- Organization P.O | ., Job No., etc | | | | | |
| 3. | Work Performed By Address: One Energ | | | | | | Symbol Stamp: Noization No.: None | | |
| | | | | | | | ion Date: None | | |
| 4. | Identification of Syst | tem: Pressurizer (F | RY) (Class 1 Porti | on of System) | | | | | |
| 5 (a) | • • | Auste | enitic Weld: ASMI | E Section III 1974 | dition with Summer 1 Edition with Summe | r 1975 Adden | Code Case 1528 da, No Code Case | es | |
| (b) | | | | | 989 Edition with No ry Appendix Q), N-60 | | ifications per Relie | ef Request I2R-4 | |
| 6. Ider | ntification of Compone | | placed and Repla | cement Compone | ents: | | | | |
| | of Component | Name of | Manufacturer | National | Other | Year Built | Repaired, | ASME Code | |
| 11 | A" Safety Platrus | Manufacturer | Serial No. | Board No. | Identification | | Replaced, or Replacement | Stamped (Yes or No) | |
| | er Surge Nozzle-to- | Westinghouse | Not | Not | 1PZR-01-SE-02 | Not | Repair | No No | |
| Safe End \ 02) and ad | Weld (1PZR-01-SE- ljacent Safe End-to- RC-32-01) Welds | and Phillips Getschow | Applicable | Applicable | 1RC-32-01 | Applicable | (Preemptive) | 110 | |
| | Il Repair (Safe End- Veld) (ERNiCrFe-7) | Special Metals (Division of Huntington | Heat/Lot NX2424JK | Not Applicable | PCI #3426 | 2002 | Replacement | No | |
| Full Struc | tural Weld Overlay | Allovs) Arcos | Lot XM8411 | Not | PCI #3603 | 2005 | Replacement | No | |
| (ER309/30 | 9L) Sacrificial Layer | Industries, LLC | Control 8411 | Applicable | | | ' | | |
| | ural Weld Sacrificial | Special Metals | Heat/Lot | Not | PCI #3582 | 2007 | Replacement | No | |
| | maining Overlay (ERNiCrFe-7A) | (Division of Huntington Allovs) | NX0B66TY | Applicable | | | | | |
| mit de: We | ozzle-to-safe end, Weltigate Inconel 82/182 v sign per EC360475. V sedyne International. mber PN-04-SW-4. | weld from primary w Welding was perforr | vater stress corros med using PCI En | ion cracking and ergy Services Qu | provide a geometry t ality Program. Final | hat can be ultr ultrasonic exa | asonically examin minations were pe | ed. Overlay rformed by | |
| 8. Te | sts Conducted: | Hydrostatic Pne | | - | | | | | |
| Other Description Pressure 2244.3 psig Test Temp. 555.2 °F 9. Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01) Applicable documentation for filler material was attached at the time of final review and is on file. | | | | | | | | | |
| | · · · · · · · · · · · · · · · · · · · | | CERTIE | ICATE OF COMP | PLIANCE | | | | |
| We certify rules of th | that the statements ree_ASME Code, Section | made in the report a on XI. Type Code | re correct and this | repair conforms | to the | zation No.: No | t Applicable | | |
| Signed 7 | Brendan () Owner or Owner's | Designed Title | ISI Co | ordinator | Date/ | 28,200 | Z | | |
| | | | | | | | | | |
| ir samman del del dische medalum mende del del del del del museum | ellekakun ana azara da da da kila akun ana da | | CEDTIEICATE | OF INSERVICE | INCRECTION | | | | |
| I the med | ersigned, holding a va | lid commission iss | | | | Inconnectors === | the Clate of De- | inna of II | |
| and emplo to the bes | ersigned, noiding a value byed by HSBCT of CT t of my knowledge and se with the requiremen | have inspected the d belief, the Owner i | components deschas performed exa | cribed in this Own | er's Report during th | e period 9/27/2 | 2007 to 11/28/200 | 7, and state that | |
| measures | this certificate neithe described in this Own amage or a loss of an | er's Report. Furthe | rmore, neither the | Inspector nor his | | | | | |
| p. 200139 U | | yarong non | v · · · · · · · · · · · · · · · · | · · · · · · · · · · · · · · · · · · · | | | 70 | | |
| 1 | - Lander | | | Co | mmissions IL1 | 085 | | | |
| İ | nspector's Signature | a maganaga da | a additional angulo y angulo y a fallomenta a di antonin describir y a li ji ana y a garga ga additio Pr | | | | rovince, and Endo | rsement s | |
| | | | F | Page 7-21 | | | | | |

Onte 11-23 2007

| We certify that the starules of the ASME Co Signed Bund Owner or I, the undersigned, ho and employed by HSE to the best of my know accordance with the re By signing this certifica measures described in | ding a valid commission of CT have inspected by the ASM attenuity of any kind arising | CERTIFIC n issued by the Nat ed the components wher has performed IE Code, Section XI r nor his employer nerthermore, neithe | CATE OF INSERTION TO THE CONTROL OF | Date | ssel Inspectors g the period 9/2 easures describ ied, concerning be liable in any i | and the State of Pro 27/2007 to 11/28/20 bed in this Owner's | 07, and state tha Report in and corrective sonal injury or | | |
|---|--|--|--|---|---|--|---|--|--|
| We certify that the starules of the ASME Co Signed Bund Owner or I, the undersigned, ho and employed by HSE to the best of my know accordance with the re By signing this certifica measures described in property damage or a | ding a valid commission of CT have inspected by the ASM attenuity of any kind arising | CERTIFIC In issued by the Nat ed the components where has performed IE Code, Section XI or nor his employer in furthermore, neithe from or connected | CATE OF INSERTION TO THE CONTROL OF | Date | ssel Inspectors g the period 9/2 easures describ ied, concerning be liable in any i | and the State of Pro 27/2007 to 11/28/20 bed in this Owner's the examinations a manner for any per | 07, and state tha Report in and corrective sonal injury or | | |
| We certify that the starules of the ASME Co Signed Bund Owner or I, the undersigned, ho and employed by HSE to the best of my know accordance with the re By signing this certifica measures described in | Iding a valid commission of CT have inspected and belief, the Opequirements of the ASM ate neither the Inspector of this Owner's Report. | CERTIFIC n issued by the Nat ed the components wher has performed IE Code, Section XI r nor his employer nerthermore, neithe | CATE OF INSERTION TO THE CONTROL OF | Date / PVICE INSPECTION Boiler and Pressure Ves s Owner's Report durin and taken corrective mand taken corrections. | isel Inspectors g the period 9/2 easures describ ied, concerning | and the State of Pro 27/2007 to 11/28/20 bed in this Owner's | 07, and state tha Report in and corrective | | |
| We certify that the starules of the ASME Co Signed Bund Owner or I, the undersigned, ho and employed by HSE to the best of my know | owner's Designee, Title Iding a valid commission BCT of CT have inspecte Viedge and belief, the O | CERTIFIC n issued by the Nat ed the components where has performed | CATE OF INSERTION OF BOTH INSE | Date / RVICE INSPECTION doiler and Pressure Ves s Owner's Report durin | ssel Inspectors g the period 9/2 | and the State of Pro | 07, and state tha | | |
| We certify that the starules of the ASME Co | an. A. Casu | 1 IS | I Coordinator | | <u>///28</u> , 20. | * * | | | |
| We certify that the starules of the ASME Co | an. A. Casu | Z IS | I Coordinator | | <u>11/28</u> , 20. | * * | | | |
| We certify that the starules of the ASME Co | | 1 | 1 Coordinator | | 1/20 00 | * * | | | |
| | itements made in the re | port are correct and Code Symbol Starr | d this repair con np: Not Applica | forms to the ble Certificate of Aut | horization No.: | Not Applicable | | | |
| 9. Helliaiks, VI-2 | umentation for filler mat | erial was attached a | at the time of fin | al review and is on file. COMPLIANCE | ST BIOCK AUTZZ | -000005-M04-01A, | WO# 930278-01 | | |
| 9. Remarks: VT-2 | Othe 2 performed on 10/25/20 | er Pressure 22 | | · | at Block AC177 | 000005 M04 04 A | NO# 020270 04 | | |
| 8. Tests Conducte | ed: Hydrostatic | Pneumatic No | ominal Operation | g Pressure ⊠ | | | | | |
| end, Weld 1PZ 82/182 weld fro EC360475. We | Work: Applied full struc (R-01-SE-03) and adjac om primary water stress elding was performed u Post overlay VT-3 exam | ent austenitic stainl corrosion cracking using PCI Energy Se | iess steel weld (and provide a g ervices Quality I | safe end-to-90 degree geometry that can be u Program. Final ultrasor | cut elbow, Wel ltrasonically exa nic examination | d 1RC-32-07) to mi amined. Overlay do s were performed b | tigate Inconel esign per by Wesdyne | | |
| Full Structural Weld Sacrificial and Remaini Overlay Layers (ERNiCrFe-7A) | | Heat/Lot NX0B66TY | Not Applicable | PCI #3582 | 2007 | Replacement | No | | |
| Full Structural Weld Overlay (ER309/309L Sacrificial Layer | .) Industries, LLC | Lot XM8411 Control 8411 | Not Applicable | PCI #3603 | 2005 | Replacement | No | | |
| Pressurizer "B" Safet Nozzle-to-Safe End We (1PZR-01-SE-03) and adjacent Safe End-to Elbow (1RC-32-07) Welds | eld and Phillips d Getschow | Not Applicable | Not Applicable | 1PZR-01-SE-03 1RC-32-07 | Not Applicable | Repair (Preemptive) | No | | |
| Name of Component | Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| (c) Section | ole Edition of Section XI XI Code Cases used: I Components Repaired | N-416-3, N-504-2 (i | ncluding Nonma | andatory Appendix Q), mponents: | N-638-1, and n | nodifications per Re | elief Request I2R | | |
| , , , , , | ole Construction Code: | Austenitic Weld: A | SME Section II | I 1974 Edition with Sur | nmer 1975 Ado | • | | | |
| 4. Identification | on of System: Pressuri. | zer (RY) (Class 1 F | Portion of Syste | m) | | | | | |
| | ormed By: PCI Energy One Energy Drive, Lake | | | | Auth | e Symbol Stamp: I norization No.: Nor iration Date: None | | | |
| | 35100 S. Rte. 53, Suite | Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 | | | | | | | |
| Address: 3. Work Perfo | e: Braidwood Station | Unit 1 | | | | k Order #00985961 | | | |
| Plant Nam Address: 3 Work Perfo | Exelon Generation C 300 Exelon Way, Kenn Braidwood Station | ett Square, PA 193 | 48 | | She | et 1 of 1 | | | |

Date 11- 29- 2007

| 1. | Owner : Exelon Ger Address: 300 Exelon W | neration Co., LLC | e. PA 19348 | | | Date 1 Sheet | 1/28/2007 1 of 1 | |
|--------------------------|--|--|---|---|--|----------------------------------|---|-------------------------------|
| 2. | Plant Name: Braidwood | Work Order #00985967-59 | | | | | | |
| | Address: 35100 S. Rte. | | eville, IL 60407 | | | | Organization P.O. | |
| 3. | Work Performed By: PC Address: One Energy Di | | | | | Authori | Symbol Stamp: No zation No.: None | one |
| 4. | Identification of System: | Pressurizer (RY) | (Class 1 Portion | of System) | | Expirat | ion Date: None | |
| 5 (a) | Applicable Constructio | , , | | • | ition with Summer 1 | 973 Addenda | Code Case 1528 | |
| (b) (c) | Applicable Edition of S Section XI Code Case | Austeniti Section XI Utilized f | c Weld: ASMES for Repairs or Rep | ection III 1974 placements: 19 | Edition with Summe 989 Edition with No | er 1975 Adden Addenda | da, No Code Case | es |
| | | | | | | oo i, and moc | indutions per rion | or rioquest izri |
| | ntification of Components for the of Component | Name of | ed and Replacen Manufacturer | National | other | Year Built | Repaired, | ASME Code |
| 7 1007 | C. Componem | Manufacturer | Serial No. | Board No. | Identification | | Replaced, or Replacement | Stamped (Yes or No) |
| Pressurize | er "C" Safety Nozzle-to- | Westinghouse | Not | Not | 1PZR-01-SE-04 | Not | Repair | No |
| Safe End and adjac | Weld (1PZŘ-01-SE-04) cent Safe End-to-Elbow | and Phillips Getschow | Applicable | Applicable | 1RC-32-13 | Applicable | (Preemptive) | |
| Base Met | RC-32-13) Welds al Repair (Safe End-to- Weld) (ER309/309L) | Arcos Alloys | Lot/Alloy DT7208 | Not Applicable | PCI #2643 | 1998 | Replacement | No |
| | uctural Weld Overlay 309L) Sacrificial Layer | Arcos Industries, | Lot XM8411 Control 8411 | Not Applicable | PCI #3603 | 2005 | Replacement | No |
| F. II Ch | ural Weld Sacrificial and | LLC | Heat/Lot | Not | PCI #3582 | 0007 | Dania | N. |
| | ning Overlay Layers | Special Metals | NX0B66TY | Applicable | PCI #3582 | 2007 | Replacement | No |
| | ERNiCrFe-7A) | (Division of | | | | | | |
| | : | Huntington (| | 1 | | | | |
| des We Nui | igate Inconel 82/182 weld sign per EC360475. Weldi styne International. Post mber PN-06-SW-6. | ing was performed overlay VT-3 exam | using PCI Energ | y Services Qua rformed on pot Operating Press | lity Program. Final entially affected sup | ultrasonic exa | minations were pe | rformed by |
| 9. Rei App | marks: VT-2 performed or plicable documentation for | n 10/25/2007 during | g ascending Mode | e 3 walk down : | surveillance (Test B | lock A01ZZ-00 | 00005-M04-01A, V | /O# 930278-01) |
| We certify | that the statements made | in the report are o | orrect and this re | ATE OF COMP pair conforms t | o the | | | |
| | e ASME Code, Section XI | . Type Code Syr | | | | _ | | |
| Signed <u>7</u> | Owner or Owner's Desi | gnee, Tiffe | ISI Coord | inator | Date _// 2 | ? <u>8</u> , 20 <u>07</u> | , and | |
| | | | | | | | | |
| | | | CERTIFICATE O | | | | | |
| and emplo to the best | ersigned, holding a valid oc syed by HSBCT of CT have t of my knowledge and beli e with the requirements of | e inspected the cor ief, the Owner has | nponents describ performed exam | ed in this Owne | er's Report during th | e period 9/27/2 | 2007 to 11/28/200 | 7, and state that |
| measures | this certificate neither the described in this Owner's I amage or a loss of any kin | Report. Furthermo | ore, neither the Ins | spector nor his | kpressed or implied, employer shall be lid | concerning the able in any ma | e examinations an nner for any perso | d corrective mal injury or |
| The second | | | | A | to a second seco | ಂದರ | | |
| lr | nspector's Signature | e de la companya de l | rternelisten armana state amen larida arma #14000000 de desega accestrática | | nmissions <u>IL1</u> National 8 | | rovince and Endo | rsement s |
| | | | Dage | 7.02 | | | | |
| Date 11- | 24- 2007 | | Page | 7-23 | | | | |

| | Exelon Generation C D Exelon Way, Kenne | | 48 | | | e 11/28/2007 et 1 of 1 | |
|---|--|--|--|---|-----------------------------|-----------------------------|---------------------|
| 2. Plant Name: | Braidwood Station 00 S. Rte. 53, Suite | | rk Order #00985967 pair Organization P. | | | | |
| | ed By: PCI Energy Energy Drive, Lake | Auth | le Symbol Stamp: Intercolorization No.: None iration Date: None | | | | |
| 4. Identification of | of System: Pressuriz | zer (RY) (Class 1 F | Portion of Syste | m) | , | | |
| (b) Applicable (c) Section XI | Edition of Section XI Code Cases used: N | Austenitic Weld: A Utilized for Repair N-416-3, N-504-2 (i | ASME Section II s or Replaceme including Nonma | 971 Edition with Summ II 1974 Edition with Sur ents: 1989 Edition with andatory Appendix Q), | nmer 1975 Add No Addenda | denda, No Code Ca | ses |
| Identification of Cor Name of Component | mponents Repaired Name of | or Replaced and R Manufacturer | eplacement Co National | mponents: Other Identification | Year Built | Repaired, | ASME Code |
| Name of Component | Manufacturer | Serial No. | Board No. | Other Identification | real built | Replaced, or Replacement | Stamped (Yes or No) |
| Pressurizer Relief Nozzle-to-Safe End Weld (1PZR-01-SE-06) and adjacent Safe End-to- Elbow (1RC-35-01) Welds | Westinghouse and Phillips Getschow | Not Applicable | Not Applicable | 1PZR-01-SE-06 1RC-35-01 | Not Applicable | Repair (Preemptive) | No |
| Full Structural Weld Overlay (ER-309/309L) Sacrificial Layer | Arcos Industries, LLC | Lot XM8411 Control 8411 | Not Applicable | PCI #3603 | 2005 | Replacement | No |
| Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A) | Special Metals (Division of Huntington Alloys) | Heat/Lot NX0B66TY | Not Applicable | PCI #3582 | 2007 | Replacement | No |
| Welding was perfo | ormed using PCI Ene ninations were perfo Hydrostatic | ergy Services Quali | ity Program. Fir affected suppo ominal Operatin | - | ions were perfo | rmed by Wesdyne | International. Pos |
| | | | | down surveillance (Te nal review and is on file | | Z-000005-M04-01 A , | WO# 930278-01) |
| We certify that the staten rules of the ASME Code, | | port are correct and | d this repair con | | horization No : | Not Applicable | |
| Signed Brinday | 1 A A A A A | • | SI Coordinator | | 11/28,20 | • • | |
| | vner's Designee, ditt | | 31 Cooldinator | Date | , 20 | <u> </u> | |
| | | CERTIFIC | CATE OF INSEI | RVICE INSPECTION | | | |
| I, the undersigned, holdin and employed by HSBCT to the best of my knowled accordance with the requ | of CT have inspected of CT have inspected of CT have inspected on the CT of CT | ed the components Iwner has performe | described in the descri | is Owner's Report durin | g the period 9/ | 27/2007 to 11/28/20 | 07, and state that |
| By signing this certificate measures described in the property damage or a loss | is Owner's Report. F | Furthermore, neithe | r the Inspector | nor his employer shall t | | | |
| 4 1 | the state of the s | | h da la il saco (1940) то ті в то то теру, и то бот то то то могали мед у Агбера правот | Commissions | IL1085 | | |
| Inspector's Sign | ature | | | Natio | nai Board, Stati | e, Province, and En | dorsements |
| Date 11-2-9- 20 6 | 27 | | Page 7-24 | . | | | |

| Dute 11.08.2007 Address 30 Ession Way, Kennet Square, PA 19848 Phets 1 of 1 2. Pint Name. Bradwood Straion Unit 1 Agrees' 31500 S Re S3, Suite 94, Braceville, IL 60407 Person Organization PO. Job No. etc. 2. Work Performed By PC Exergy Services Address Ore Energy Drive, Like Bull II, 80544 4. Igentification of System: Pressurger, RY) (Class 1 Porton of System) 5. (a) Applicable Construction Colon Nozale Weld. ASME Section III 1971 Edition with Summer 1973 Auderda, Code Case 1928 Applicable Eation of Section No. United and Person of Section No. 1975 Addreda, No. Code Case 1928 Applicable Eation of Section Out Ultimate of Reflace Section III 1974 Edition with Summer 1973 Auderda, No. Code Cases 10) Applicable Eation of Section No. Ultimate of Reflace and Replacement Components No. Section Ni Code Cases used. No.119.3, No.942 including Normandation Appendix O), No.938-1, and modifications per Peilef Request 12.8 10. Identification Components Replaced and Replacement Components Name of Component Name of Manufacturer Serial No. Board No. No. 1928 of the No. 1928 of the No. No. 1928 of the No. 19 | | M3 III | equired by the | FIUVISIONS | of the Asiac Co. | ae Jection | AI . | | |
|--|---|---|--|--|--|-------------------------------------|--|--|--|
| Apdress 3010 Everlor Way. Kennett Square, PA 19948 2. Plant Name. Braidwood Strain Unit 1 Address 35103 S. Rie 35, Suite 84. Braceville, IL 60467 3. Work Performed By. PCI Energy Services Address Cone Energy Drive, Live Bull, II. 60044 4. Identification of System. Pressurzer (RY). Class 1 Portion of System) 5. (a) Applicable Edition of System. Pressurzer (RY). Class 1 Portion of System 6. Jennification of System. Pressurzer (RY). Class 1 Portion of System 6. Jennification of System. Pressurzer (RY). Class 1 Portion of System 7. Applicable Edition of Saction XI United for Plegnare of Replacements. 1988 Edition with Summer 1973 Addered a. Not Code Classe 8. Jennification of Components Repaired or Replacement Pressuration System (Components). Name of Components Repaired or Replacement Components. 8. Jennification of Components Repaired or Replacement Components. 8. Name of Component Manual of Manualcuturer National Other Identification (Ped Bull Replaced, Strainped (Ped Applicable and Replacement). Name of Components Replaced or Replacement Components. 8. Name of Component Manual of Manualcuturer National Other Identification (Ped Bull Replaced, Strainped (Ped Applicable). National Other Identification (Ped Bull Replaced, Strainped (Ped Applicable). Ped Bull Replaced, Strainped (Ped Applicable). Ped Bull Replaced, Strainped (Ped Replaced). Replaced, Strainped (Ped Replaced). Replaced (Ped R | 1. Owner : E | xelon Generation C | Co., LLC | | | Dat | te 11/28/2007 | | |
| Address 3510 S. Rie 53. Sute 8.4 Bracev Ile, IL 60407 Repar Organization P.O., Job No. etc. Code Symbol Stamp: None Address Che Energy Drive Like Buff. IL 60044 Applicable Construction Code: Nozzle Wield. ASME Section III 1977 Edition with Summer 1973 Address. None Expiration Date. Notre Expiration Date. None Applicable Edition of Section XI Utilisate of Repairs of Repairs in 1975 Edition with Summer 1973 Address. No Code Cases (c) Section XI Code Cases used. N14-63. N-504-2 (including Normandatory Appendix Q). N-838-1, and modifications per Relief Request IZR 8 Identification of Components Regard or Replaced and Replacement. Components: 1986 Edition with No Address Asme of Components Regard or Replaced and Replacement Components: Address and Address of Section XI Utilisate Code Section XI Utilisate Code Section XI Utilisate Code Section XI Utilisate Code Replacement Components Indications with No Address (c) Section XI Code Cases used. N-14-63. N-504-2 (including Normandatory Appendix Q). N-838-1, and modifications per Relief Request IZR 8 Identification of Components Regard or Replaced and Replacement Components: Applicable Applicable Not Applicable Replacement SY 48 Replacement SY 48 Replacement SY 48 Replacement No Code Cases Not In Inc. 16-01 Not Not Not Applicable Not Applicable Not Applicable Not Not Applicable Not Not Applicable Not | Address: 300 | Exelon Way, Kenn | ett Square, PA 193 | | Sheet 1 of 1 | | | | |
| Address 3510 S, Re 53. Suce 84. Braceville II. 60407 Work Performed By PCI Energy Services Address One Energy Drive, Lake Buff II. 80444 Applicable Construction Codes: Nazzi Meth. ASVE Section III. 1971 Edition with Summer 1973 Address Active Section III. 1971 Edition with Summer 1973 Address Active Section III. 1971 Edition with Summer 1973 Address Active Section III. 1971 Edition with Summer 1973 Address Active Section III. 1971 Edition with Summer 1973 Address Active Section III. 1971 Edition with Summer 1973 Address Active Section III. 1971 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Address Active Section III. 1972 Edition with Summer 1973 Editi | 2. Plant Name: | Braidwood Station | | Work Order #00985967-73 | | | | | |
| Address. One Erergy Drive, Luke Buff, It. 63044 4. Identification of System: Pressurzer (RY) (Class 1 Portion of System) 5. (a) Applicable Construction Code Nozze Wed: ASME Section III 1971 Edition with Summer 1973 Addresda, No Goe Class 1528 4. Applicable Edition of Section XI Utilized for Repairs or Replacements: 1988 Edition with No Addresda. No Goe Class 1528 6. (a) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1988 Edition with No Addresda. No Goe Classe Section XI Close Classes used: N-14-63. N-56-42 (including Normandationy Appendix O), N-638-1, and modifications per Relief Request 12R 5. Identification of Components Repaired or Replaced and Replacement Components: Name of Component Name of Manufacturer National Other Identification Year Buff Replaced. or Replaced or Replaced Pressurzer Spray Pressurzer Spray Westinghouse Not Applicable Not Developed Pressurser Spray Not Applicable Not Applicable Not Developed Pressurser Spray Not Applicable Not Applicable Not Developed Pressurser Spray Not Not Applicable Not Developed Pressurser Not Not Applicable Not Developed Pressurser Not Not Applicable Not Developed Pressurser Not | | 00 S. Rte. 53, Suite | Rep | pair Organization P. | O., Job No., etc | | | | |
| Address One Energy Drive, Lake Bluff, IL 60044 Identification of System Pressurizer (RY) (Class 1 Portion of System) 5. (a) Applicable Constructor Code Nozzle Wels: ASME Section III 1971 Edition with Summer 1973 Addenda, No Code Case 1528 Austentic Weld: ASME Section III 1971 Edition with Summer 1973 Addenda, No Code Case 1528 (b) Applicable Edition of Section XI Ublazed for Repairs or Replacements: 1989 Edition with No Addenda (c) Section XI Code Cases used: N-116-3, N-504-2 (including Normandatory Appendix Q), N-638-1, and modifications per Relief Request 12R Identification of Components Repaired or Replaced and Replacement Components: Name of Component Manne of Manufacturer National Other Identification (Park Bulk Replaced, ASME Code Stampart Year Bulk Replaced, ASME Code Stampart Year Bulk Replaced or Replacement Serial No. Pressurizer Spray Westinghouse Not Applicable Not applicable Not IRC-16-01 Applicable Replaced or No. Pressurizer Spray Westinghouse Not Applicable Applicable Replaced or No. Replacement St. 4: Replacement No. Replacement No. Applicable Replaced or Replacement No. Applicable Replaced No. Replacement No. Replac | 3. Work Performe | ed By: PCI Energy | Services | | | Cod | de Symbol Stamp: 1 | None | |
| (a) Identification of System. Pressurizer IRV (Class I Portro of System) (b) Applicable Construction Code. Nozer Medic: ASME Section III 1973 Edition with Summer 1973 Addenda. Code Case 1528 Austenda. Mol. Asserted Wold: ASME Section III 1974 Edition with National Transport of Section Not Utilized for Repairs or Replication edits Not Addenda. (c) Applicable Edition of Section Not Utilized for Repairs or Replication with National Transport of Replication and Not Addenda. (d) Section XI Code Cases used: N-416-3 N-5042 including Normandation Appendix Q), N-638-1, and modifications per Peilel Request IZR Section XI Code Cases used: N-416-3 N-5042 including Normandation Year Built Replicated. or Replicated of Manufacturer Serial No. Board No. Direct Identification Peaks Built Replicated. or Replicated. Or No. Pressurizer Spray Westinghouse Mol Applicable Applicable Not applicable IPZR-01-SE-05 Not Replicated Properties (FRC-18-01) Applicable Applicable IPZR-01-SE-05 Not Replicated Properties (FRC-18-01) Applicable Applicable IPZR-01-SE-05 Not Replicated Properties (FRC-18-01) Medic Industries, LLC Control 8411 Applicable PCI #3803 2005 Replacement No No Not Policy (FRC-18-01) Medic Industries, LLC Control 8411 Applicable PCI #3803 2005 Replacement No Not PCI #3803 2005 Replacement No Not PCI #3804 (Applicable Not Applicable Not Policy Not Not Applicable Not Policy Not A | | | | | | | | | |
| Applicable Construction Code: Nazzle Viridi: ASME Section III 1971; Estition with Summer 1973 Addenda. Code Case 1528 Astention (Web. 2004) Each of III 1974; Estition with Summer 1973 Addenda. No Code Cases Applicable Estition of Section XI Unitized for Repairs or Replacements: 1989 Edition with No Addenda (e) Section XI Code Cases used: N-141-5. N-504-2 (including Normandatory Appendix Q). N-638-1. and modifications per Relief Request 12R B. Identification of Components Repaired or Replaced and Replacement Components: Name of Component Name of Manufacture National Other Identification Year Built Repaired. Manufacture National Other Identification Year Built Repaired. Manufacture National Not Personal No. District Personal No. Replaced or Replacement Components: Not Applicable Not IRC-16-01 Applicable Repaired. Pressurizer Spray Westinghouse and Phillips PER-101-SE-05 and adjacent 6' X-4 Replaced. or Replacement No. Not IRC-16-01 Applicable Repaired. No. Pressurizer Spray Westinghouse Applicable Not Applicable Not IRC-16-01 Applicable Repaired. No. Replacement No. Replacement No. Not IRC-16-01 Applicable Repaired. No. Replacement No | 4 Identification o | f System: Pressuri | zer (RY) (Class 1 F | Portion of Syste | em) | Ext | olration Date: None | | |
| (b) Applicable Edition of Section XI Uillaced for Repairs or Replacements: 1995 Adderda. No Code Cases Applicable Edition of Section XI Uillaced for Repairs or Replacements: 1995 Edition with No Adderda Section XI Code Cases used: N-116-3, N-504-2 including Normandatory Appendix Q). N-638-1, and modifications per Relief Request IzR Section XI Code Cases used: N-116-3, N-504-2 including Normandatory Appendix Q). N-638-1, and modifications per Relief Request IzR Name of Components Name of Components Repaired or Replaced and Replacement Components: Name of Component Repaired or Replaced and Replacement Components: Westinghouse Not Applicable Pressurizer Spray Westinghouse Not Applicable Not Repair No | | - | | | | er 1973 Adder | nda. Code Case 152 | 28 | |
| (c) Section XI Code Cases used: N-16-3, N-504-2 including Normandatory Appendix Q), N-538-1, and modifications per Relief Request IZR B. Identification of Components Repaired or Replaced and Replacement Components: Name of Component Name of Manufacturer Serial No. Serial No. Pressurizer Spray Westinghouse Not Applicable Serial No. Pressurizer Spray Westinghouse Not Applicable Not IPZR-01-SE-05 Not Applicable Getschow adjacent of X-4 Reducer-to-Safe End Weld (IPZR-01-SE-05) and adjacent austenitic standard steel weld (safe end-to-reducer, Weld 11-C1-C1)) to mitigate incornel 80-182 verial from primary violatic registers and the Section Section (IPZR-01-SE-05) and adjacent austenitic standards steel weld (safe end-to-reducer, Weld 11-C1-C1)) to mitigate incornel 80-182 verial from primary violatic registers and the Section S | | | Austenitic Weld: A | SME Section II | II 1974 Edition with Sur | nmer 1975 Adı | denda. No Code Ca | ses | |
| 8. Identification of Components Repaired or Replaced and Replacement Components: Name of Component Name of Component Manufacturer Manu | (b) Applicable E | Edition of Section XI Code Cases used: 1 | Utilized for Hepairs N-416-3, N-504-2 (ii | s or Heplacems ncluding Nonm | andatory Appendix Q). | N-638-1, and | modifications per Re | elief Request I2R | |
| Name of Component Manufacturer Manufacturer Serial No. Board No. Description of Work. Applicable TPER-01-SE-05 and Applicable Applic | | | | _ | | | · | • | |
| Manufacturer Serial No. Board No. Replacement Shappled event of No. Replacement or No. No. Sec. 63 and Applicable and Philips and Applicable (RC-16-01 Applicable 1RC-16-01) Medicable No. Applicable (RE-16-01 Applicable 1RC-16-01) Medicable No. Applicable (RE-306) Medicable No. Applicable (RE-306) Medicable No. Applicable (RE-306) Medicable No. Applicable (RE-306) Medicable (RE-306) Medicable (Repair No. | | | | | Other Identification | Year Built | Repaired. | ASME Code | |
| Pressurizer Spray puzzle-to-Safe End Weld pt2Pt-01-SE-09) and adjacent 6" X 4" Reducer to-Safe End pt1Pt2Pt-01-SE-09) and adjacent 6" X 4" Reducer to-Safe End pt1Pt2Pt-01-SE-09) and adjacent 6" X 4" Reducer to-Safe End pt1Pt2Pt-01-SE-09) and adjacent 6" X 4" Reducer to-Safe End pt1Pt2Pt-01-SE-09) and adjacent 6" X 4" Reducer to-Safe End pt-01 Welds portary (ER-309/309U) Sacrifical Layer Full Structural Weld portary (ER-309/309U) Sacrifical Layer Full Structural Pressure (Sacrificate end-to-reducer, Weld 1RC-16-01) Brighted Sacrificate end-to-reducer, Weld 1RC-16-01 Sacrificate end-to-reducer, Weld 1RC-16-01 Sacrificate end-to-reducer, Weld Industry (Sacrificate end-to-reducer) Sacrificate end-to-reducer, Weld Industry (Sacrificate end-to-reducer) Owner or Owner's Designee /file CERTIFICATE OF COMPLIANCE Owner or Owner's Designee /file CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boil | ranio di componditi | • | 1 | | | | Replaced, or | Stamped (Yes | |
| Applicable 1RC-16-01 Applicable 1RC-16-01 Applicable 1RC-16-01 Applicable 1RC-16-01 Applicable Applicable 1RC-16-01 Applicable Applicable | | | | | | | <u> </u> | <u> </u> | |
| IPZR-01-SE-05 and adjacent for X 4" | | | Not Applicable | | , | 1 | Repair | No | |
| Foundation Fou | | , | | / ipplicable | | , ippiiodolo | | | |
| (IRIC-16-01) Welds Arcos Lot XM8411 Not PCI #3603 2005 Replacement No Not Not Not Applicable PCI #3603 2005 Replacement No Not Not Not PCI #3582 2007 Replacement No Not PCI #3582 2007 Replacement No Not Not Replacement No Not N | • | | | | | | | | |
| Overlay (ER-309/090L) Sacrificial Layer Full Structural Weld Special Metals (Olvision of NXDB66TY Applicable PCI #3582 2007 Replacement No NXDB66TY Applicable Overlay Layers (CRNiCre-7A) Description of Work: Applied full structural preemptive weld overlay to the pressurizer spray nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-05) and adjacent austenitio stainless steel weld (safe end-to-reducer, Weld 1RC-18-01) to mitigate inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC380475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed on promatinally affected supports per Code Case N-504-2. Overlay Weld Number is PN-02-SW-2. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 244.3 psig Test Temp. 555.2 °F 9. Remarks: VT-2 performed on 10:25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01 Applicable documentation for filler material was attached at the time of final review and is on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair conforms to the use of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Owner or Owner's Designed Fille CERTIFICATE OF INSERVICE INSPECTION Intelligence Action of the performance of the perform | | | | | | | | | |
| Sacrificial Layer Full Structural Weld scriftoial and Remaining Overlay Layers (CRNICIFE-7A) 7. Description of Work: Applied full structural preemptive weld overlay to the pressurizer spray nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZR-01-SE-05) and adjacent austenitic stainless steel weld (safe end-to-reducer, Weld 1RC-18-01) to mitigate Inconel 82/182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program: Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT examinations were performed to more property and provide a geometry that can be ultrasonically examined. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program: Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT examinations were performed to more program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT examinations were performed to not performed to program. Final ultrasonic examinations were performed by Wesdyne International. Post overlay VT examinations were performed by Testing Programs and Other Q Pressure 2244.3 psig Test Temp. 555.2 °F 9. Remarks: VT-2 performed on 10:25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01 Applicable documentation for filler material was attached at the time of final review and is on file. CERTIFICATE OF INSERVICE measures described in the Commer's Beport in the Commer's Report in the Owner's Report in the Commer's Report in the Commer's Report in the Owner's Report in the Commer's Report in the Owner's Report Furthermore, neither the Inspector nor his emp | | | | | PCI #3603 | 2005 | Replacement | No | |
| Full Structural Weld (Division of Applicable (Division of Control and Remaining (Division of Control and Remaining (Division of MX0B66TY) (Applicable (Divis | | Industries, LLC | Control 8411 | Applicable | | | | | |
| (Division of Huntington (Division of Huntington (ERNICIFE-7A) Huntington (RENICIFE-7A) Huntington (Alloys) Applicable NX0866TY Applicable Huntington (Alloys) | | Special Metals | Heat/Lot | Not | PCI #3582 | 2007 | Replacement | No | |
| CERTIFICATE OF COMPLIANCE | acrificial and Remaining | (Division of | NX0B66TY | Applicable | | | • | | |
| Description of Work: Applied full structural preemptive weld overlay to the pressurizer spray nozzle dissimilar metal weld (nozzle-to-safe end, Weld 1PZH-01-SE-05) and adjacent austenitic stainless steel weld (safe end-to-reducer, Weld 1RC-16-01) to mitigate inconel 82:182 weld from primary water stress corrosion cracking and provide a geometry that can be ultrasonic examination. Overlay design per EC360475. Welding was performed using PCI Energy Services Quality Program. Final ultrasonic examinations were performed by Wedsyne International. Post overlay VT examinations were performed on potentially affected supports per Code Case N-504-2. Overlay Weld Number is PN-02-SW-2. 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 2244.3 psig Test Temp. 555.2 F 9. Remarks: VT-2 performed on 10:25:2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01 Applicable documentation for filler material was attached at the time of final review and is on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair conforms to the ules of the ASME Code. Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Symbol Stamps (Not Applicable Symbol Stamps) Symbol Stamps (N | | | | | | | | | |
| Remarks: VT-2 performed on 10/25/2007 during ascending Mode 3 walk down surveillance (Test Block A01ZZ-000005-M04-01A, WO# 930278-01 Applicable documentation for filler material was attached at the time of final review and is on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code. Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Sumular Council State of Province of Italian and Pressure Vessel Inspectors and the State of Province of Italian and Pressure Vessel Inspectors and the State of Province of Italian and Pressure Vessel Inspectors and the State of Province of Italian and Pressure Vessel Inspectors and State of Province of Italian and Pressure Vessel Inspectors and State of Province of Italian and Pressure Vessel Inspectors and State of Province of Italian and Pressure Vessel Inspectors and State of Province of Italian and State of Province of Italian and Pressure Vessel Inspectors and State of Province of Italian and State | | , | | | | / Weld Numbe | r is PN-02-SW-2. | | |
| CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Signed State Inspector of Owner's Designee Title CERTIFICATE OF INSERVICE INSPECTION In the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, and state the othe best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in incoordance 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 roperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL 1085 | | • | | | | | | | |
| We certify that the statements made in the report are correct and this repair conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Certificate No.: Not Applicable Signed Certificate No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Certificate No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Certificate No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Certificate No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Signed Certificate No.: Not Applicable Signed Certificate of Authorization No.: Not Applicable Signed Certificate No. Not Applicable Signed Certificate of Authorization No.: Not Applicable Signed Signed No. Not Applicable Signed Signed No. Not Applicable Signed No. | 9. Remarks: VT-2 pe Applicable docume | rformed on 10/25/20 ntation for filler mat | 007 during ascendii erial was attached a | ng Mode 3 walk at the time of fir | down surveillance (Te nal review and is on file | st Block A01Z | Z-000005-M04-01A, | WO# 930278-01 | |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, and state the othe 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 reperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 | We certify that the statem | ents made in the re | port are correct and | d this repair con | forms to the | | | | |
| CERTIFICATE OF INSERVICE INSPECTION The undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, and state that the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI. By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 | 71 1 | | | | | | | | |
| CERTIFICATE OF INSERVICE INSPECTION the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, and state that the other 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 neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or roperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 | Signed <u>40 Mindal</u> | r J. Casey | <u> </u> | I Coordinator | Date/ | 1/28 . 20 | 07 | | |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, and state that the other best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in occordance 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 neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or reperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 | Owner or Ow | ners Designee, Flitt | e | | | | | | |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, and state that the other 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 neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or reperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 | | | | | | | | | |
| the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, and state that the other 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 reperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 | | والمراورة | | | | | | Promotive name of the continue | |
| and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 9/27/2007 to 11/28/2007, 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 neasures 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 IL1086 | | | CERTIFIC | ATE OF INSE | RVICE INSPECTION | | | | |
| By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective neasures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or irroperty damage or a loss of any kind arising from or connected with this inspection. Commissions IL1085 | and employed by HSBCT to the best of my knowled | of CT have inspecte ge and belief, the O | ed the components wner has performed | described in the descri | is Owner's Report durin | g the period 9 | /27/2007 to 11/28/20 | 007, and state tha | |
| Commissions IL1085 | By signing this certificate r neasures described in this | neither the Inspecto s Owner's Report. T | r nor his employer r Furthermore, neithe | nakes any warr ir the Inspector | nor his employer shall t | lied, concernin be liable in any | g the examinations in manner for any per | and corrective rsonal injury or | |
| | 1 | | | | | | | | |
| inspector's organities . Province, and Endorsements | In an arter of Contract | | | in the second of | Commissions | IL1085 | to Depress and the | HEALT NEWS COMPA | |
| | inspectors > gna | HUFT | | | 174,313471 | iai buaiti. Sidi | ie, riovince, and En | aza yenrera s | |

Date 11-24- 2007

| | Exelon Generation C Exelon Way, Kenn | | Date 11/28/2007 Sheet 1 of 1 | | | | | | |
|---|--|---|---|---|------------------------------------|--|---|--|--|
| | Braidwood Station 00 S. Rte. 53, Suite | | Work Order #00985967-80 Repair Organization P.O., Job No., etc | | | | | | |
| | ed By: PCI Energy Energy Drive, Lake | Aut | de Symbol Stamp: horization No.: Nor viration Date: None | ne | | | | | |
| 4. Identification of | | | | | | | | | |
| (b) Applicable (c) Section XI (| Edition of Section XI code Cases used: N | Austenitic Weld: A Utilized for Repairs I-416-3, N-504-2 (ir | ASME Section II s or Replacement actualing Nonma | 971 Edition with Summ II 1974 Edition with Sur ents: 1989 Edition with andatory Appendix Q), I | nmer 1975 Add No Addenda | denda, No Code Ca | ses | | |
| Identification of Cor Name of Component | nponents Repaired Name of | or Replaced and R | eplacement Co National | mponents: Other Identification | Year Built | Repaired, | ASME Code | | |
| Name of Component | Manufacturer | Serial No. | Board No. | Other identification | real built | Replaced, or Replacement | Stamped (Yes or No) | | |
| Pressurizer Surge Nozzle-to-Safe End Weld (1PZR-01-SE-01) and adjacent Pipe-to-Safe End (1RC-05-01) Welds | Westinghouse and Phillips Getschow | Not Applicable | Not Applicable | 1PZR-01-SE-01 1RC-05-01 | Not Applicable | Repair (Preemptive) | No | | |
| Full Structural Weld Overlay (ER-309/309L) Sacrificial Layer | Arcos Industries, LLC | Lot XM8411 Control 8411 | Not Applicable | PCI #3603 | 2005 | Replacement | No | | |
| Full Structural Weld Sacrificial and Remaining Overlay Layers (ERNiCrFe-7A) | Special Metals (Division of Huntington Alloys) | Heat/Lot NX0B66TY | Not Applicable | PCI #3582 | 2007 | Replacement | No | | |
| using PCI Energy examinations were 8. Tests Conducted: | Services Quality Property of the Property of t | ogram. Final ultrasontially affected supplementation Notes to Pressure 22 | onic examinatio ports per Code o ominal Operatin 44.3 psig Tes | | Vesdyne Interr Weld Number | national. Post overl PN-01-SW-1. | ay VT-3 | | |
| Applicable docume | entation for filler mate | erial was attached a | at the time of fir | nal review and is on file. | of Block Au 122 | . 000003 1410+017, | ************************************** | | |
| We certify that the statem rules of the ASME Code, | nents made in the re Section XI. Type | port are correct and | this repair con | COMPLIANCE forms to the ble Certificate of Auti | norization No.: | Not Applicable | | | |
| Signed <u>Brundar</u> Owner or Ow | J. Casly vners Designed Titl | e IS | I Coordinator | Date | //28 , 20 | 07 | | | |
| | | CERTIFIC | ATE OF INSE | RVICE INSPECTION | | | inaa jilka na maada dhiinaa kada dhiinaa kada dhiinaa ah dhiin ah | | |
| I, the undersigned, holdinand employed by HSBCT to the best of my knowled accordance with the requi | of CT have inspecte ge and belief, the Ov | n issued by the Nati ed the components wher has performed | ional Board of E described in thi d examinations | Boiler and Pressure Ves s Owner's Report durin | g the period 9/2 | 27/2007 to 11/28/20 | 07, and state that | | |
| By signing this certificate in measures described in this property damage or a loss | s Owner's Report. F | furthermore, neither | r the inspector i | nor his employer shall b | ied, concerning e liable in any | the examinations a manner for any per | and corrective sonal injury or | | |
| | | | | Q | | | | | |
| Inspector's Signa | nture | | | Commissions Nation | IL1085 Ial Board, State | e, Province, and En | dorsements | | |
| Con 11 24 20 20 | · ···································· | | | | | , | | | |

| 1. Owner : | Exelon Generation Co 0 Exelon Way, Kenne | Date 11/26/2007 Sheet 1 of 1 | | | | | |
|---|---|---|--|---|----------------------|--|-------------------------------------|
| Address: 30 | U Exelon Way, Kerine | it Square, PA 193 | 940 | | 2116 | ectori | |
| | Braidwood Station U 100 S. Rte. 53, Suite 8 | Work Order #00985967-89 Repair Organization P.O., Job No., etc | | | | | |
| 3. Work Perform Address: 364 | ned By: Shaw / Stone 400 S. Essex Road, W | Code Symbol Stamp: None Authorization No.: None Expiration Date: None | | | | | |
| 4. Identification | of System: Pressurize | er (RY) Class 1 po | ortion of system | n | , | | |
| (b) Applicable (c) Section XI | Edition of Section XI I Code Cases used: N | Utilized for Repairs one | s or Replacem | Summer 1975 Addenda, ents: 1989 Edition with | | N-249-13, N-249-14 | ı |
| | mponents Repaired o | | | omponents: Other Identification | Year Built | T Consider | ACME Code |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Parts for Component Support 1RY09030C (Line 1RY03AA-6") | Grinnell | None | Not Applicable | 1RY09030C | Not Recorded | Replaced | No |
| 34" X 10 x 3" Hex Bolt | Anvil International, Inc. | Heat F3104 | Not Applicable | Cat ID 1424506-1 UTC 2792023 | 2007 | Replacement | No |
| 7/8"-9 x 4" Hex Bolt | Anvil International, Inc. | Heat 136957 | Not Applicable | Cat ID 1424595-1 UTC 2792019 | 2005 | Replacement | No |
| 34" X 10 x 3 1/2" Hex Bolt | Anvil International, Inc. | Heat M630110 | Not Applicable | Cat ID 1424929-1 UTC 2792022 | 2007 | Replacement | No |
| 7/8"-9 Hex Nut | Anvil | Heat A82145 | Not | Cat ID 1425172-1 | 2007 | Replacement | No |
| 3/4"-10 Hex Nuts | International, Inc. Anvil | Heat 834580 | Applicable Not | UTC 2792447 Cat ID 1425173-1 | 2006 | Replacement | No |
| 7/8"-9 Jam Nut | International, Inc. Anvil | Heat 8886056 | Applicable Not | UTC 2792449 Cat ID 1425174-1 | 2006 | Replacement | No |
| 3/4"-10 Jam Nuts | International, Inc. | Heat 691821 | Applicable Not | UTC 2792452 Cat ID 1425175-1 | 2007 | Replacement | No |
| | International. Inc. | | Applicable | UTC 2792456 | | <u> </u> | |
| bolting was dama 8. Tests Conducted: 9. Remarks: VT-3 e | ged during disassemb Hydrostatic Other xams of reinstalled su | oly and was replac Pneumatic No r Pressure No pport were perfor | ed by new mat ominal Operation of Applicable med after reins | | <u>Applicable</u> °F | d System Hot: 10/2 | |
| We certify that the stater rules of the ASME Code | , Section XI. Type C | ort are correct and Code Symbol Starr | d this replacem np: Not Applica | able Certificate of Au | | Not Applicable | |
| Signed <u>Bundar</u> Owner or O | wner's Designee, Title | ISI Co | ordinator | _Date | 20 07 | | |
| The second se | | CERTIFIC | ATE OF INSE | RVICE INSPECTION | | | |
| I, the undersigned, holdir and employed by HSBCT to the best of my knowled accordance with the requ | Fof CT have inspected age and belief, the Ow | d the components mer has performed | described in the descri | nis Owner's Report durir | ng the period 9/ | 19/2007 to 11/26/20 | 007, and state that |
| By signing this certificate measures described in th property damage or a los | is Owner's Report. Fo | urthermore, neithe | r the Inspector | nor his employer shall i | | | |
| 1 | Luc | | · | Commissions | IL1085 | | |
| Inspector's Sign | ature | | | Natio | nai Board, State | B. Province, and Er | ndorsemen ts |
| Date 11-28 20- | > 1 | | Page 7 | -2/ | | | |

| | 1. Owner : Exelon Generation Co., LLC Date 12/4/2007 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1 | | | | | | | | | | |
|---|---|---|--|--|-----------------------------------|---|-------------------------------------|--|--|--|--|
| 2. Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Work Order #00937296-01 Repair Organization P.O., Job No., 6 | | | | | | | | | | | |
| | By: Shaw / Stone & W b. Essex Road, Wilmir | | | | Autho | Symbol Stamp: No prization No.: None ation Date: None | | | | | |
| 4. Identification of System: Pressurizer (RY) (Class 1 System) | | | | | | | | | | | |
| (b) Applicable Editi | struction Code: ASMI on of Section XI Utiliz a Cases used: None | E Section III 1971 ed for Repairs or | Edition, Winte Replacements | er 1972 Addenda, Coo s: 1989 Edition with N | de Case 1649 lo Addenda | | | | | | |
| 6. Identification of Compo | | | 7 | | · | | - | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | | | |
| Existing 6" Relief Valve 1RY8010A | Crosby | N56964-00- 010 9 | Not Applicable | 1RY8010A | Not Recorded | Replaced | Yes | | | | |
| 6" Refurbished Spare Relief Valve | Crosby | N56964-00- 0053 | Not Applicable | Cat ID 1400663-1 UTC 2704972 | Not Recorded | Replacement | Yes | | | | |
| 8. Tests Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Other Pressure 2244.3 psig Test Temp. 555.2 °F 9. Remarks: VT-2 examination was performed and accepted on 10/25/2007 (ascending Mode 3 walk down, Test Block A01ZZ-000005-M04-01A). Applicable documentation for replacement relief valve was attached at the time of final review and is on file. CERTIFICATE OF COMPLIANCE We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable Signed Signed Supplies Designee, Title | | | | | | | | | | | |
| CERTIFICATE OF INSERVICE INSPECTION | | | | | | | | | | | |
| I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of IL and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 8/23/2006 to 12/4/2007, 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 O property damage or a loss of | wner's Report. Furth | ermore, neither th | e Inspector no | r his employer shall be | | | | | | | |
| I has | ·le- | | | Commissions | II 1085 | | | | | | |
| Inspector's Signatur | 8 | | ************************************** | | I <u>L1085</u> al Board, State | , Province, and End | dorsements | | | | |
| Date 12 - 5- , 20 07 | | | | | | | | | | | |

| | lon Generation Co kelon Way, Kennet | o., LLC tt Square, PA 19348 | | | Date Sheet | 11/5/2007 1 of 1 | |
|--|--|--|--|--|---------------------------------------|---|---|
| 2. Plant Name: Br | aidwood Station U | | 7 | | | Order #01053174- Organization P.O | |
| | By: Shaw / Stone S. Essex Road, W | e & Webster filmington, IL 60481 | | | Author | Symbol Stamp: No ization No.: None ion Date: None | |
| 4. Identification of S | ystem: Primary C | ontainment (PC) (Cla | ass MC System) | | CAPITAL | ion bate. None | |
| (b) Applicable Edit | tion of Section XI Lee Cases used: No | Utilized for Repairs or one | Replacements: | er 1973 Addenda, No Code 1992 Edition with 1992 Ad | | | |
| 6. Identification of Compo | Thems Hepaired of | Treplaced and repla | acement Compo | iento. | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Unit 1 Primary Containment Equipment Hatch (1PC103M) Penetration Sleeve | Chicago Bridge & Iron | Not Recorded | Not Applicable | 1PC103M | N/A | Not Applicable | No |
| 3/32" E7018 Welding Electrode | ESAB | Heat 159443 Lot 2J613C01 Trace LLL080 | Not Applicable | Cat ID 8491-1 UTC 2776571 | 2006 | Replacement | No |
| 1/8" E7018 Welding Electrode | ESAB | Heat 38513 Lot 4D215A03 Trace GGG053 | Not Applicable | Cat ID 8503-1 UTC 2653238 | 2002 | Replacement | No |
| outage. Weld is exen | npt from Section X | I containment inservice | ce inspection req | M under EC 366588 to su uirements per Table IWE- ticle and VT-1 and found a | 2500-1 Ca | itegory E-A Note 5 | A1R13 refuel (nonstructural |
| 8. Tests Conducted: | Hydrostatic | Pneumatic Nomir | nal Operating Pre | essure 🔲 | | | |
| | Other | Pressure Not a | <u>ipplicable</u> psi | g Test Temp. Not application | <u>able</u> °F | | |
| 9. Remarks: Applicable | manufacturer's ce | rtifications for welding | materials were | attached at the time of fina | ıl review a | nd are on file. | |
| We certify that the statemen rules of the ASME Code, Se | | ort are correct and thi | | onforms to the Certificate of Authorization | | ot Applicable | |
| Signed Szendan Owner or Owne | J. Casus As Designee, Title | | or | Date ///5 | , 20 _0 | 7 | |
| | | | | | | | |
| t, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the requiren By signing this certificate neit measures described in this C property damage or a loss of | CT have inspected and belief, the Own nents of the ASME ther the Inspector rowner's Report. Fullwher's Report. | issued by the National the components des ner has performed ex Code, Section XI. nor his employer makurthermore, neither the | cribed in this Ow aminations and t es any warranty, e Inspector nor h | and Pressure Vessel Insp ner's Report during the pe aken corrective measures expressed or implied, con | riod 9/16/ described cerning th | 2007 to 11/5/2007 I in this Owner's R e examinations ar | , and state that eport in nd corrective |
| 1 1 | | | , | Americania de la composición d | | | |
| Inspector's Signatur | 6 | | ········· | ommissions <u>IL1085</u> National Board | d, State, F | Province, and Endo | orsements |
| , | | | | | | | and the second second second |

Date 11-6 2007

| | kelon Generation C Exelon Way, Kenne | | Date 11/15/2007 Sheet 1 of 1 | | | | |
|--|---|---|---------------------------------|--|-----------------|--|-------------------------------------|
| | Braidwood Station I 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6040 | 07 | | | Order #00919433 r Organization P.0 | |
| Address: 3640 4. Identification of | System: Safety In | Vilmington, IL 60481 jection (SI) (Class 1 F | | m) ner 1975 Addenda, No | Autho Expira | Symbol Stamp: Norization No.: None | |
| (b) Applicable E | | Utilized for Repairs of | | : 1989 Edition with No | | | |
| 6. Identification of Com | ponents Repaired | or Replaced and Repl | acement Comp | onents: | Ŀ | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8810 A | Not Recorded | Replaced | Yes |
| Bonnet and Plug Assembly for 1.5" Class 1513 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-3-6 Bonnet Serial | Not Applicable | Cat ID 1419648-1 UTC 2784194 | 2007 | Replacement | Yes |
| | | Number 0603 and Plug Serial Number 0612 | | | | | |
| | Hydrostatic Othe | Pneumatic Nominar Pressure 23 Do 7 during 1BwVSR TAppurtenances) was a | 775 psig Tes | st Temp. <u>91</u> °F 4 (Section 2) surveilland time of final review and | | e documentation (l | Form N-2 Data |
| We certify that the statemerules of the ASME Code, Signed Owner or Own | Section XI. Type | port are correct and the Code Symbol Stamp: | nis replacement | conforms to the Certificate of Author | rization No.: N | | |
| | | | | | | | |
| | | CERTIFICAT | TE OF INSERV | ICE INSPECTION | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the requir | of CT have inspecte ge and belief, the O | ed the components de wner has performed e | scribed in this (| Dwner's Report during t | he period 8/3/ | 2007 to 11/15/200 | 7, and state that |
| By signing this certificate n measures described in this property damage or a loss | Owner's Report. F | Furthermore, neither th | ne Inspector no | r his employer shall be | | | |
| 1. hu | | | | Commissions IL | 1085 | | |
| Inspector's Signa | ture | | | · | | Province, and En | dorsements |
| Data 11 - 15 - 20 0 | - 7 | | | | | | |

| | 1. Owner : Exelon Generation Co., LLC Date 11/15/2007 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1 | | | | | | | | |
|--|--|--|---|---|-------------------------------------|---------------------------------------|---------------------|--|--|
| | Braidwood Station I 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6040 | 07 | | | Order #00919433 r Organization P.0 | | | |
| | d By: Shaw / Stone 0 S. Essex Road, V | e & Webster Vilmington, IL 60481 | | | Autho | Symbol Stamp: Norization No.: None | | | |
| 4. Identification of | System: Safety In | jection (SI) (Class 1 F | Portion of Syste | em) | LXpiid | mon Date. None | | | |
| (b) Applicable E (c) Section XI co | dition of Section XI ode Cases used: N | Utilized for Repairs of one | r Replacements | ner 1975 Addenda, No s: 1989 Edition with No | | | | | |
| | ponents Repaired of | or Replaced and Repl Manufacturer | acement Comp National | onents: Other Identification | Year Built | Repaired, | ASME Code | | |
| Name of Component | Manufacturer | Serial No. | Board No. | Other identification | rear built | Replaced, or Replacement | Stamped (Yes or No) | | |
| Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8810B | Not Recorded | Replaced | Yes | | |
| Bonnet and Plug Assembly for 1.5" Class 1513 Valve | SPX Vaives & Controls | Appurtenance Serial Number 0651-125058-3-8 Bonnet Serial Number 0605 and Plug Serial Number 0618 | Not Applicable | Cat ID 1419648-1 UTC 2784196 | 2007 | Replacement | Yes | | |
| "downstream effect 8. Tests Conducted: 9. Remarks: VT-2 per | s" associated with E Hydrostatic Othe formed on 10/25/20 | ECCS sump debris. Pneumatic Nominar Pressure 23 | inal Operating F 75 psig Tes | | ce. Applicable | | | | |
| We certify that the statement rules of the SSME Code, Signed Owner or Own | Section XI. Type | coort are correct and the Code Symbol Stamp: | | conforms to the Certificate of Author | rization No.: N 1/5, 20 <i>0</i> | • • | | | |
| | | | | | | | | | |
| | | CEDTIEICA | re de Moenv | ICE INSPECTION | | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the requir | of CT have inspecte ge and belief, the Ov | n issued by the Nation ad the components de wner has performed e | al Board of Boi scribed in this (| ler and Pressure Vesse Dwner's Report during t | he period 8/3/ | 2007 to 11/15/200 | 7, and state that | | |
| By signing this certificate in measures described in this property damage or a loss | Owner's Report. F | urthermore, neither th | ne Inspector no | r his employer shall be | | | | | |
| 1/20 | | | | Commissions # | 1095 | | | | |
| Inspector's Signa | ture | | اللهور ويستان القابل المنافقة القابل ويستان القابل ويستان القابل ويستان القابل ويستان | | 1085 Board, State, | Province, and End | dorsements | | |
| Date 11-15- 20 0 | | | | | | | | | |

| | xelon Generation C Exelon Way, Kenne | o., LLC ett Square, PA 19348 | | | | 11/15/2007 1 of 1 | |
|--|--|--|--|--|-----------------------------|--|-------------------------------------|
| | Braidwood Station I 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6040 | 07 | | | Order #00919433 r Organization P.0 | |
| Address: 3640 | | e & Webster Vilmington, IL 60481 jection (SI) (Class 1 I | Portion of Syste | em) | Autho | Symbol Stamp: Norication No.: None | |
| 5 (a) Applicable C (b) Applicable E | onstruction Code: | ASME Section III 197 Utilized for Repairs o | 4 Edition, Sumi | mer 1975 Addenda, No s: 1989 Edition with No | Code Case Addenda | | |
| 6. Identification of Com | ponents Repaired | or Replaced and Repl | lacement Comp | onents: | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8810C | Not Recorded | Replaced | Yes |
| Bonnet and Plug Assembly for 1.5" Class 1513 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-3-9 | Not Applicable | Cat ID 1419648-1 UTC 2784197 | 2007 | Replacement | Yes |
| | | Bonnet Serial Number 0602 and Plug Serial Number 0619 | | | | | |
| "downstream effect 8. Tests Conducted: 9. Remarks: VT-2 per | s" associated with I Hydrostatic Other | ECCS sump debris. Pneumatic Nomer Pressure 23 Or during 1BwVSR TAppurtenances) was a | inal Operating I 75 psig Tes TRM 3.4.F.2-SI. | t Temp. 91 °F 4 (Section 2) surveillan time of final review and | ce. Applicable | | |
| We certify that the statem rules of the ASME Code, signed Bundan Owner or Ow | Section XI. Type | Code Symbol Stamp: ISI C | nis replacement Not Applicable Coordinator | e Certificate of Autho | rization No.: 1 15, 20_0 | | |
| | | | | | | | |
| I, the undersigned, holding and employed by HSBCT | a valid commission | n issued by the Nation | nal Board of Boi | ICE INSPECTION Her and Pressure Vesse | el Inspectors a | nd the State of Pro | ovince of IL |
| to the best of my knowledge accordance with the require | ge and belief, the O | wner has performed e | | | | | |
| By signing this certificate r measures described in this property damage or a loss | Owner's Report. I | Furthermore, neither ti | he Inspector no | r his employer shall be | | | |
| 1 | | | | | 1005 | | |
| Inspector's Signa | ture | | | Commissions <u>IL</u> National | .1085 Board, State, | Province, and En | dorsement s |
| Date 11-15- 200 | | | | | | | |

Date 11/15/2007

Owner : Exelon Generation Co., LLC

1.

| Address: 300 | Exelon Way, Kenn | ett Square, PA 19348 | | | Sheet | 1 of 1 | |
|---|--|--|---|--|--|---|-----------------------------------|
| | Braidwood Station 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6040 | 07 | | | Order #00919433 r Organization P.0 | |
| | ed By: Shaw / Stone 10 S. Essex Road, V | e & Webster Vilmington, IL 60481 | | | Autho | Symbol Stamp: Norization No.: Non | |
| 4. Identification of | System: Safety In | jection (SI) (Class 1 F | Portion of Syste | em) | Expira | MON Date. None | |
| (b) Applicable E (c) Section XI of | dition of Section XI ode Cases used: N | Utilized for Repairs of lone | r Replacement | mer 1975 Addenda, No s: 1989 Edition with No | | | |
| 6. Identification of Com Name of Component | Name of | or Replaced and Repl Manufacturer | National | Other Identification | Year Built | Repaired, | ASME Code |
| reality of Somponent | Manufacturer | Serial No. | Board No. | Culor Idonanoauori | , sar bant | Replaced, or Replacement | Stamped (Yes or No) |
| Valve Bonnet Assembly for Copes Vulcan 1.5" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8810D | Not Recorded | Replaced | Yes |
| Bonnet and Plug Assembly for 1.5" Class 1513 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-3-7 | Not Applicable | Cat ID 1419648-1 UTC 2784195 | 2007 | Replacement | Yes |
| | | Bonnet Serial Number 0604 and Plug Serial Number 0617 | | | | | |
| "downstream effect 8. Tests Conducted: 9. Remarks: VT-2 per Report for Identical We certify that the statem rules of the ASME Code, Signed Bundan | Hydrostatic Hydrostatic Other formed on 10/25/20 Nuclear Parts and A ents made in the resection XI. Type | Preumatic Nominar Pressure 23 O7 during 1 BwVSR TAppurtenances) was a CERTI Port are correct and the Code Symbol Stamp: | inal Operating In 175 psig Tes RM 3.4.F.2-SI. attached at the IFICATE OF Conis replacement | 4 (Section 2) surveillantime of final review and COMPLIANCE toonforms to the Cortificate of Author | ce. Applicable is on file. | e documentation (I | |
| Owner or Ow | ner's Designee, Titl | 6 | | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the requir | of CT have inspecte ge and belief, the Or | n issued by the Nation ed the components de wner has performed e | al Board of Boi scribed in this | Owner's Report during t | he period 8/3/ | 2007 to 11/15/200 | 7, and state that |
| By signing this certificate n measures described in this property damage or a loss | Owner's Report. F | Furthermore, neither th | ne Inspector no | r his employer shall be | d, concerning t liable in any m | he examinations a anner for any pen | and corrective sonal injury or |
| 1 | ta | | | Commissions | 1005 | | |
| Inspector's Signa | ture | | | Commissions IL National | | Province, and En | dorsements |
| Date (1-(5- , 20 o | 3 | | | | an ^{ma} -t-design to his or the line of the late of the | n, dissentanti il terese messa et un'il tereso ditto di suggi della sigli, un segui suggissi si si si | |

| ١, | | xelon Generation C Exelon Way, Kenn | | 48 | | - | e 11/19/2007 eet 1 of 1 | |
|------------------------------|---|--|--|--|--|-------------------------------------|--|-------------------------------------|
| 2. | | Braidwood Station 00 S. Rte. 53, Suite | | 0407 | | | rk Order #00919433 pair Organization P. | |
| 3. | | ed By: Shaw / Stor 00 S. Essex Road, \ | | 31 | | Auti | de Symbol Stamp: Inhorization No.: None iration Date: None | e |
| 4. | Identification of | f System: Safety Ir | ejection (SI) (Class | 1 Portion of Sy | stem) | Exp | iration Date. None | |
| i | b) Applicable E | | Utilized for Repairs | | immer 1975 Addenda, ints: 1989 Edition with | | ı | |
| 6. l | dentification of Con | | or Replaced and R | eplacement Co | mponents: | | | |
| Name | of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| _ | fice at Bolted ection 1SI04MA | Unknown | Not Recorded | Not Recorded | 1SI04MA | Not Recorded | Replaced | No |
| • | S, ¼" thick with 1.75" bore -240 TP304 | Energy Steel/ Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422785-1 UTC 2789813 | 2007 | Replacement | No |
| We ce | at the time of final r rtify that the statem | rformed on 10/25/2 review and is on file ents made in the re | CEI | RTIFICATE OF | SI.4 surveillance. Appli COMPLIANCE ent conforms to the | | | late was attached |
| | of the ASME Code, | <i>^</i> | | | ble Certificate of Aut | | • • | |
| Signed | Owner or Ow | f. Cusur mer's Designee, Tit | le Is | SI Coordinator | Date | 1 <u>/19</u> , 20 | 07 | |
| | | | CERTIEI | TATE OF INCE | RVICE INSPECTION | | | |
| and en to the t accord | nployed by_HSBCT pest of my knowled ance with the requi | of CT have inspect ge and belief, the C rements of the ASM | n issued by the Nat ed the components Owner has performe IE Code, Section X | tional Board of I described in the ed examinations I. | Boiler and Pressure Ver is Owner's Report durin and taken corrective n | ig the period 7/ neasures descri | 30/2007 to 11/19/20 ribed in this Owner's | 007, and state that Report in |
| neasu | ning this certificate re res described in this y damage or a loss | s Owner's Report. | Furthermore, neithe | er the inspector | ranty, expressed or imp nor his employer shall t tion. | lied, concernin oe liable in any | g the examinations manner for any per | and corrective rsonal injury or |
| | | | | | | | | |
| | Inspector's Signa | ature | | | Commissions Natio | IL1085 nal Board, Stat | e, Province, and Er | dorsements |
| | • | | | | | , | | |
| lata 1 | 11-24. 200 | , 7 | | | | | | |

Owner : Exelon Generation Co., LLC

1.

Date 11/19/2007

| | Address: 300 | Exelon Way, Kenn | ett Square, PA 193 | 48 | | She | et 1 of 1 | |
|------------------|--|--|--|--|---|-------------------------------------|---|--|
| 2. | | Braidwood Station 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6 | 0407 | | | rk Order #00919433 pair Organization P. | |
| 3. | | d By: Shaw / Stor 0 S. Essex Road, \ | ne & Webster Wilmington, IL 6048 | 31 | | Aut | le Symbol Stamp: I horization No.: Non iration Date: None | |
| 4. | Identification of | System: Safety In | jection (SI) (Class | 1 Portion of Sy | stem) | | | |
| 5 (a (b (c |) Applicable E | | Utilized for Repair | | immer 1975 Addenda, i ints: 1989 Edition with | | • | |
| 6. ld | entification of Com | | or Replaced and R | eplacement Co | mponents: | | | _ |
| Name | of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| | ce at Bolted ction 1SI04MB | Unknown | Not Recorded | Not Recorded | 1SI04MB | Not Recorded | Replaced | No |
| 1 | 5, ¼" thick with .75" bore 240 TP304 | Energy Steel/ Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422785-1 UTC 2789813 | 2007 | Replacement | No |
| | Description of Work ECCS sump debris | | g flow orifice with a | spacer plate a | s part of EC360141, wh | ich addresses | "downstream effec | ts" associated with |
| 8. 1 | ests Conducted: | Hydrostatic [| Pneumatic 🗌 N | ominal Operatin | g Pressure 🏻 | | | |
| | | Oth | er 🛛 Pressure 23 | 75 psig Test | Temp. 91 °F | | | |
| | | formed on 10/25/2 eview and is on file | | R TRM 3.4.F.2- | SI.4 surveillance. Appli | icable docume | ntation for spacer p | late was attached |
| | | | port are correct an | d this replaceme | COMPLIANCE ent conforms to the able Certificate of Aut | horization No.: | Not Applicable | ************************************** |
| Signed | Owner or Ow | ner's Designee, Tit | <u> </u> | SI Coordinator | Date/ | <u>1/19</u> , 20 | 07 | |
| | | | | | | | | |
| | | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| and em | ployed by_HSBCT est of my knowledg | of CT have inspect ge and belief, the C | ed the components | described in the descri | Boiler and Pressure Veris Owner's Report during and taken corrective in | g the period 7. | /30/2007 to 11/19/2 | 007, and state that |
| measure | es described in this | S Owner's Report. | r nor his employer Furthermore, neithe from or connected | er the Inspector | anty, expressed or imp nor his employer shall l tion. | lied, concernin be liable in any | g the examinations manner for any per | and corrective rsonal injury or |
| | Lh | lu | | | Commissions | IL1085 | | |
| | Inspector's Signa | ture | | | Natio | nai Board, Sta | te, Province, and Er | ndorsements |
| Date !! | - 2 ce 20 c | 2.7 | | | | | | |
| | | | | | | | | |

| 1. | | xelon Generation C Exelon Way, Kenne | | 48 | | | te 11/19/2007 eet 1 of 1 | |
|--------------|--|--|---|------------------------------------|---|-------------------------------------|--|-------------------------------------|
| 2. | | Braidwood Station 00 S. Rte. 53, Suite | | 0407 | | | rk Order #00919433 pair Organization P. | |
| 3. | | ed By: Shaw / Stor 00 S. Essex Road, V | | 31 | | Aut | de Symbol Stamp: 1 horization No.: Non biration Date: None | |
| 4. | Identification of | System: Safety In | jection (SI) (Class | 1 Portion of Sy | stem) | Ľ.ĄĻ | mation bate. None | |
| 5 | (b) Applicable E | | Utilized for Repairs | | immer 1975 Addenda, i nts: 1989 Edition with | | • | |
| 6. | Identification of Com | | or Replaced and R | eplacement Co | mponents: | · | | |
| Na | ime of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| | Orifice at Bolted nnection 1SI04MC | Unknown | Not Recorded | Not Recorded | 1SI04MC | Not Recorded | Replaced | No |
| | NPS, ¼" thick with 1.75" bore SA-240 TP304 | Energy Steel/ Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422785-1 UTC 2789813 | 2007 | Replacement | No |
| rule | at the time of final recentify that the statemers of the ASME Code, | rformed on 10/25/20 eview and is on file ents made in the re | CEI port are correct and Code Symbol Stan | R TRM 3.4.F.2- | SI.4 surveillance. Appli COMPLIANCE ent conforms to the ble Certificate of Aut | horization No. | | late was attached |
| - | | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| and to th | employed by_HSBCT | of CT have inspecti ge and belief, the C | ed the components Owner has performe | described in th ed examinations | Boiler and Pressure Ver is Owner's Report during and taken corrective n | ng the period 7. | /30/2007 to 11/19/20 | 007, and state that |
| mea | signing this certificate r asures described in this perty damage or a loss | s Owner's Report. I | Furthermore, neithe | er the Inspector | anty, expressed or imp nor his employer shall l tion. | lied, concernin be liable in any | ng the examinations a manner for any per | and corrective rsonal injury or |
| | 1. | h.cee | | | Commissions | JL1085 | | |
| | Inspector's Signa | | | | | | te, Province, and Er | ndorsement s |
| Date | 11-2e, 200 | <u> </u> | | | | | | |

| 1. | | xelon Generation C Exelon Way, Kenne | | 48 | | | e 11/19/2007 et 1 of 1 | |
|--------------------------------------|---|--|---|--|--|--|---|--|
| 2. | | Braidwood Station 90 S. Rte. 53, Suite | | 0407 | | | rk Order #00919433 pair Organization P. | |
| 3. | | ed By: Shaw / Ston 00 S. Essex Road, V | | 11 | | Auth | le Symbol Stamp: / norization No.: Non iration Date: None | |
| 4. | Identification of | System: Safety In | jection (SI) (Class | 1 Portion of Sys | stem) | ĽΛÞ | mation bate. None | |
| (| (c) Applicable E Section XI C | idition of Section XI lode Cases used: N | Utilized for Repairs lone | or Replaceme | mmer 1975 Addenda, I nts: 1989 Edition with | | | |
| 6. 1 | dentification of Com | | or Replaced and Re | eplacement Cor | mponents: | | Repaired. | ASME Code |
| Name | e of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Stamped (Yes or No) |
| | fice at Boited ection 1SI04MD | Unknown | Not Recorded | Not Recorded | 1SI04MD | Not Recorded | Replaced | No |
| | PS, ¼" thick with 1.75" bore A-240 TP304 | Energy Steel/ Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422785-1 UTC 2789813 | 2007 | Replacement | No |
| 7. 8. | Description of Worl ECCS sump debris Tests Conducted: | Hydrostatic | g flow orifice with a Pneumatic □ No er ☑ Pressure 23 | ominal Operatin | | ich addresses | "downstream effect | s" associated with |
| 9. | Remarks: VT-2 pe at the time of final r | | | R TRM 3.4.F.2- | SI.4 surveillance. Appli | cable docume | ntation for spacer pi | ate was attached |
| We ce | ertify that the statem of the ASME Code, | ents made in the re Section XI. Type | port are correct and | d this replaceme | ble Certificate of Aut | | | |
| Signe | d <u>Bundan</u> Owner or Ow | r J. Casty mer's Designee, Tid | | SI Coordinator | Date/ | <i>) 19,</i> 20 | <u>07</u> | |
| | | | | | | | | |
| | | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| and er to the accord By sig | mployed by HSBCT best of my knowled dance with the requi ning this certificate r | of CT have inspectory ge and belief, the Corements of the ASM neither the Inspecto | n issued by the Nat ed the components Dwner has performe IE Code, Section XI r nor his employer r | tional Board of E described in the ed examinations I. makes any warr | Boiler and Pressure Ver is Owner's Report durin and taken corrective n anty, expressed or imp | ng the period 7, neasures desc lied, concernin | /30/2007 to 11/19/2/ ribed in this Owner's g the examinations | 007, and state that s Report in and corrective |
| | ires described in this ty damage or a loss | | | | nor his employer shall I tion. | be liable in any | manner for any per | rsonal injury or |
| | <u> </u> | ludee | At company | | Commissions | II 1085 | | |
| | Inspector's Signa | iture | | *************************************** | | | te, Province, and Er | ndorsements |
| Date _ | 11-20. 20 6 | 7 | | | | | | |

| | xelon Generation C Exelon Way, Kenn | | Date 10/29/2007 Sheet 1 of 1 | | | | |
|---|---|---|--|--|--|--|-------------------------------------|
| | Braidwood Station 00 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 604 | 07 | | | Order #00919434 r Organization P.0 | |
| | ed By: The Shaw G 00 S. Essex Road, V | iroup Wilmington, IL 60481 | | | Autho | Symbol Stamp: Nrization No.: Non- | |
| 4. Identification of | System: Safety In | jection (SI) (Class 2 | Portion of Syste | em) | ZAPITO | morrisation storio | |
| (b) Applicable E | | Utilized for Repairs o | | mer 1975 Addenda, No s: 1989 Edition with No | | | |
| | | or Replaced and Rep | | | · | | T |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8816A | Not Recorded | Replaced | Yes |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-2-4 | Not Applicable | Cat ID 1419642-1 UTC 2776618 | 2007 | Replacement | Yes |
| | | Bonnet Serial Number 0613 and Plug Serial Number 0601 | | | | | |
| Tests Conducted: Remarks: VT-2 per Nuclear Parts and A | Othe | Pneumatic Nomer Pressure 824 Oo7 during 1BwVSR Ts attached at the time | psig Test | t Temp. <u>86.5</u> °F | ocumentation | (Form N-2 Data R | eport for Identical |
| We certify that the statem rules of the ASME Code, Signed | ents made in the re Section XI. Type J. Casus ner's Designee, Titl | port are correct and tr Code Symbol Stamp: ISI C | FICATE OF CO nis replacement Not Applicable Coordinator | t conforms to the Certificate of Author | rization No.: N | • • | |
| | ner's Designee, Thu | | | | | | |
| | | | | ICE INSPECTION | ************************************** | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the require | of CT have inspecte ge and belief, the Over ements of the ASM | ed the components de wner has performed e E Code, Section XI. | scribed in this (xaminations an | Owner's Report during to ad taken corrective meas | he period 8/6/2 sures describe | 2007 to 10/29/200 d in this Owner's | 7, and state that Report in |
| By signing this certificate neasures described in this property damage or a loss | Owner's Report. F | Furthermore, neither th | ne Inspector no | r his employer shall be : | d, concerning t liable in any m | he examinations a anner for any pers | and corrective sonal injury or |
| I have | | | | Commissions " | 1005 | | |
| Inspector's Signa | ture | | | Commissions IL National | | Province, and End | dorsements |
| Date 10-31200 | 7 | | | | | | |

| | Owner: Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 | | | | | | Date 10/29/2007 Sheet 1 of 1 | | | |
|--|---|---|---|---|----------------------------------|---|-------------------------------------|--|--|--|
| | Braidwood Station 00 S. Rte. 53, Suite | | | Order #00919434 r Organization P.0 | | | | | | |
| Address: 364 | | Wilmington, IL 60481 | n |) | Autho | Symbol Stamp: Norization No.: Nonition Date: None | | | | |
| | • | jection (SI) (Class 2 I | - | | | | | | | |
| (b) Applicable | | Utilized for Repairs o | | mer 1975 Addenda, No s: 1989 Edition with No | | | | | | |
| | | or Replaced and Repl | | | | | 1 40450 | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | | |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8816B | Not Recorded | Replaced | Yes | | | |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-2-9 | Not Applicable | Cat ID 1419642-1 UTC 2784193 | 2007 | Replacement | Yes | | | |
| | | Bonnet Serial Number 0701 and Plug Serial Number 0608 | | | | | | | | |
| Tests Conducted: Remarks: VT-2 pe Nuclear Parts and | Other | Pneumatic Nomer Pressure 804 Oo7 during 1BwVSR Ts attached at the time | psig Test Te | mp. <u>85.5</u> °F veillance. Applicable d | ocumentation | (Form N-2 Data R | leport for Identica | | | |
| We certify that the staten rules of the ASME Code, Signed Dundan Owner or Ov | nents made in the re Section XI. Type A. Lesey wher's Designee, Titl | port are correct and the Code Symbol Stamp: | IFICATE OF Conis replacement Not Applicable Coordinator | t conforms to the e Certificate of Autho | rization No.: N | | | | | |
| | | | | | | | | | | |
| I, the undersigned, holdin and employed by HSBCT to the best of my knowled accordance with the requ | of CT have inspected ge and belief, the O | n issued by the Nation ed the components de wner has performed e | nal Board of Bo escribed in this | Owner's Report during t | he period 8/6/ | 2007 to 10/29/200 | 7, and state that | | | |
| By signing this certificate measures described in th property damage or a loss | is Owner's Report. I | Furthermore, neither th | he Inspector no | r his employer shall be | d, concerning flable in any m | the examinations a nanner for any per | and corrective sonal injury or | | | |
| L hie. | les . | | | Commissions IL | 1085 | | | | | |
| Inspector's Sign | ature | | | | | Province, and En | dorsements | | | |
| Data (0-3) 20.50 | , 7 | | | | | | | | | |

| | xelon Generation C Exelon Way, Kenn | | Date 10/29/2007 Sheet 1 of 1 | | | | |
|---|---|--|---------------------------------|---|---|--|-------------------------------------|
| | Braidwood Station 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 604 | 07 | | | Order #00919434 r Organization P.0 | |
| 3. Work Performe Address: 3640 | ed By: The Shaw G 10 S. Essex Road, V | roup Vilmington, IL 60481 | | | Autho | Symbol Stamp: Nrization No.: None | |
| 4. Identification of | System: Safety In | jection (SI) (Class 2 I | Portion of Syste | em) | Expira | tion Date. None | |
| (b) Applicable E (c) Section XI of | dition of Section XI ode Cases used: N | Utilized for Repairs o lone | r Replacements | mer 1975 Addenda, No s: 1989 Edition with No | | | |
| | | or Replaced and Repl | | | r v - | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8816C | Not Recorded | Replaced | Yes |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-2-7 | Not Applicable | Cat ID 1419642-1 UTC 2784191 | 2007 | Replacement | Yes |
| | | Bonnet Serial Number 0702 and Plug Serial Number 0606 | | | | | |
| 7. Description of Worl "downstream effect | | | ternals with nev | v bonnet and plug asse | mbly as part o | f EC360141, whic | h addresses |
| 8. Tests Conducted: | Hydrostatic 🗌 | Pneumatic Nom | inal Operating I | Pressure 🛛 | | | |
| | Othe | er 🛭 Pressure 804 | psig Test Ter | mp. <u>85.5</u> °F | | | |
| | | 007 during 1BwVSR Ts attached at the time | | veillance. Applicable do and is on file. | ocumentation | (Form N-2 Data R | eport for Identical |
| We certify that the statem rules of the ASME Code, | Section XI. Type | port are correct and the Code Symbol Stamp: | | conforms to the | rization No.: N | lot Applicable | |
| Signed <u>Joundan</u> Owner or Ow | J. Cases ner's Designée, Titl | e ISI C | Coordinator | Date <i>[0]</i> | <u>/3/</u> , 20 <u>0</u> | Z | |
| | | | | | | | |
| | | CERTIFICAT | TE OF INSERV | ICE INSPECTION | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the require | of CT have inspecte ge and belief, the O | n issued by the Nation ed the components de wner has performed e | al Board of Boi | ler and Pressure Vesse Owner's Report during t | he period 8/6/2 | 2007 to 10/29/200 | 7, and state that |
| By signing this certificate r measures described in this property damage or a loss | either the Inspector Owner's Report. | r nor his employer ma Furthermore, neither th | ne Inspector no | r his employer shall be | | | |
| 1 | 0 | | | Commissions | 1005 | | |
| Inspector's Signa | ture | | | | 1085 Board, State, | Province, and End | dorsements |
| Date 10-31 200 | 7 | | | | | | |
| 2000 | | | | | al may all the comment and the same angular many may be assumed as a second | | |

| | xelon Generation C Exelon Way, Kenn | co., LLC ett Square, PA 19348 | | Date 10/31/2007 Sheet 1 of 1 | | | | | |
|---|---|--|-----------------------|---|-----------------------|--|--|--|--|
| | Braidwood Station 00 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 604 | 07 | | | Order #00919434 r Organization P.0 | | | |
| | ed By: The Shaw G 00 S. Essex Road, V | iroup Wilmington, IL 60481 | | | Autho | Symbol Stamp: Nrization No.: None | | | |
| 4. Identification of | System: Safety In | jection (SI) (Class 2 I | Portion of Syste | em) | LAPITE | mon bate. Hone | | | |
| (b) Applicable E | | Utilized for Repairs o | | mer 1975 Addenda, No s: 1989 Edition with No | | | | | |
| | | or Replaced and Repl | | | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8816D | Not Recorded | Replaced | Yes | | |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-2-6 | Not Applicable | Cat ID 1419642-1 UTC 2784190 | 2007 | Replacement | Yes | | |
| | | Bonnet Serial Number 0703 and Plug Serial Number 0607 | | | | | | | |
| | | g valve bonnet and in ECCS sump debris. | ternals with nev | w bonnet and plug asse | mbly as part o | f EC360141, whic | h addresses | | |
| 8. Tests Conducted: | Hydrostatic 🗌 | Pneumatic Nom | inal Operating I | Pressure 🛛 | | | | | |
| | Oth | er 🛛 Pressure <u>824</u> | psig Test Ter | mp. <u>86.5</u> °F | | | | | |
| | | 007 during 1BwVSR T s attached at the time | | veillance. Applicable d and is on file. | ocumentation | (Form N-2 Data R | eport for Identical | | |
| We certify that the statem rules of the ASME Code, Signed Signed Support of Course of | | port are correct and the Code Symbol Stamp: | | t conforms to the e Certificate of Autho | rization No.: N | • • | | | |
| Owner or Ow | ners besignee," in | | | | | | | | |
| | | | | | | | | | |
| | | CERTIFICA | TE OF INSERV | ICE INSPECTION | | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the requir | of CT have inspecti ge and belief, the O | ed the components de wner has performed e | scribed in this | Owner's Report during t | the period 8/6/ | 2007 to 10/31/200 | 7, and state that | | |
| By signing this certificate n measures described in this property damage or a loss | s Owner's Report. I | Furthermore, neither ti | he Inspector no | r his employer shall be | | | | | |
| 1 | lo | | | Commission: " | 1005 | | | | |
| Inspector's Signa | ture | | | | 1085 Board, State, | Province, and En | dorsements | | |
| Date 10-31- 20 9 | 7 | | | | | | | | |
| Date 10-31- 20 o | L | | | | | | and the second s | | |

| | | celon Generation C Exelon Way, Kenne | | 48 | | | e 10/23/2007 eet 1 of 1 | |
|-------------------------------------|-------------------------------------|--|---|--|---|----------------------------------|---|-------------------------------------|
| | | Braidwood Station t 0 S. Rte. 53, Suite t | | 0407 | | | rk Order #00919434 pair Organization P. | |
| | | d By: Shaw / Ston 0 S. Essex Road, V | | 31 | | Auti | le Symbol Stamp: 1 norization No.: Non iration Date: None | |
| 4. Ide | entification of | System: Safety Inj | ection (SI) (Class | 2 Portion of Sys | stem) | ۱ | nation Date. None | |
| (b) | Applicable E | | Utilized for Repairs | | mmer 1975 Addenda, i nts: 1989 Edition with | | | |
| 6. Identific | ation of Com | ponents Repaired o | or Replaced and R | eplacement Cor | mponents: | Ţ | | |
| Name of Co | mponent | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Orifice at Connection | | Unknown | Not Recorded | Not Recorded | 1SI05MA | Not Recorded | Replaced | No |
| 2" NPS, ¼" t 1.75" b SA-240 T | ore | Energy Steel / Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422869-1 UTC 2789820 | 2007 | Replacement | No |
| 9. Remai time o | f final review | Other formed on 10/16/20 and is on file. | 007 during 1BwVSi CE port are correct an | R TRM 2.5.c.1 s RTIFICATE OF | est Temp. <u>85.5</u> °F surveillance. Applicable COMPLIANCE ent conforms to the | e documentatio | | vas attached at the |
| rules of the A | | Section XI. Type | Code Symbol Star | np: Not Applica | ble Certificate of Aut | _ | • • | |
| Signed A | Owner or Ow | ner's Designee, Titl | | SI Coordinator | Date/ | / 0/23 , 20 | 007 | |
| | | | | | | | | |
| | | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| and employed to the best of | d by HSBCT my knowledg | of CT have inspecte | ed the components wner has performe | described in the descri | Boiler and Pressure Ve is Owner's Report during and taken corrective mand taken to the correction to | ng the period 7 | /30/2007 to 10/23/2 | 007, and state that |
| By signing thi | is certificate r scribed in this | either the Inspecto | r nor his employer Furthermore, neithe | makes any wari er the Inspector | ranty, expressed or imp nor his employer shall tion. | | | |
| 1 | 1 | | | | | u 400m | | |
| Insp | ector's Signa | ture | | | Commissions Natio | I <u>L1085</u> mal Board, Sta | te, Province, and E | ndorsements |
| Date 10-2 | 3- 200 | 7 | | | | | | |

| 1. | | Exelon Generation C Exelon Way, Kenn | | 48 | | | e 10/23/2007 eet 1 of 1 | |
|-------------------------------|---|--|---|--|--|----------------------------------|--|-------------------------------------|
| 2. | | Braidwood Station | | 0407 | | | rk Order #00919434 pair Organization P. | |
| 3. | | ed By: Shaw/Ston 00 S. Essex Road, V | | 1 | | Auth | de Symbol Stamp: I | |
| 4. | Identification of | of System: Safety In | jection (SI) (Class | 2 Portion of Sys | stem) | Exp | iration Date: None | |
| 5 (a |) Applicable I | Construction Code: Edition of Section XI code Cases used: N | Utilized for Repairs | 974 Edition, Su s or Replaceme | immer 1975 Addenda, ints: 1989 Edition with | No Code Case No Addenda | • | |
| 6. lo | lentification of Cor | nponents Repaired | or Replaced and Re | eplacement Co | mponents: | | | |
| Name | of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| | ce at Bolted | Unknown | Not Recorded | Not Recorded | 1SI05M B | Not Recorded | Replaced | No |
| 1 | 5, ¼" thick with .75" bore -240 TP304 | Energy Steel / Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422869-1 UTC 2789820 | 2007 | Replacement | No |
| 8. · 9. I | ECCS sump debri Tests Conducted: Remarks: VT-2 perime of final review | Hydrostatic COtherformed on 10/16/2 | | 04 psig T | ng Pressure 🔀 est Temp. <u>85.5</u> °F surveillance. Applicable | | on for spacer plate v | was attached at the |
| rules o | f the ASME Code, | ~ / | port are correct and Code Symbol Stan | d this replaceme | able Certificate of Au | thorization No. | | |
| | | | | | | | | |
| and em to the b accorda | ployed by HSBCT pest of my knowled ance with the requ | of CT have inspect tge and belief, the C irements of the ASM | in issued by the Nat ed the components Owner has performe IE Code, Section X | tional Board of I described in the ed examinations I. | RVICE INSPECTION Boiler and Pressure Ve ils Owner's Report durit s and taken corrective in ranty, expressed or imp | ng the period 7 measures desc | 7/30/2007 to 10/23/2 cribed in this Owner | 007, and state that is Report in |
| measu | res described in th | | Furthermore, neithe | er the Inspector | nor his employer shall | | | |
| | 1 ~ | <u> </u> | | | Commissions | IL1085 | | |
| | Inspector's Sign | ature | | | | | ite, Province, and E | ndorsements |
| Date 1 | 5 - 7-3 - , 20 <u>c</u> | רי | | | | | | |

| 1. Owner : E | xelon Generation C | o., LLC | | | Dat | e 10/23/2007 | |
|--|--|-------------------------------------|------------------|--------------------------|------------------|---|---------------------|
| Address: 300 | Exelon Way, Kenn | ett Square, PA 193 | 48 | | She | et 1 of 1 | |
| 2. Plant Name: | Braidwood Station | l Init 1 | | | Wo | rk Order #00919434 | L-16 |
| | | 84, Braceville, IL 6 | 0407 | | | pair Organization P. | |
| 0 11/a t Bartana | | - 0 14/nbn4 | | | 0 | to Combat Ctomas 1 | |
| | d By: Shaw/Stor | ie & webster Viimington, IL 6048 | 11 | | | <pre>le Symbol Stamp: 1 horization No.: Non</pre> | |
| Audiess. 5040 | O O. ESSEX HOUGE, | ramagion, in 00-10 | | | | iration Date: None | • |
| Identification of | System: Safety In | jection (SI) (Class | 2 Portion of Sys | stem) | | | |
| 5 (a) Applicable C | onstruction Code: | ASME Section III 1 | 974 Edition, Su | mmer 1975 Addenda, i | No Code Case | • | |
| (b) Applicable E | | Utilized for Repairs | | nts: 1989 Edition with | | | |
| 6. Identification of Com | ponents Repaired | or Replaced and Re | eplacement Cor | mponents: | | | |
| | Name of | | | | | Repaired, | ASME Code |
| Name of Component | Manufacturer | Manufacturer | National | Other Identification | Year Built | Replaced, or | Stamped (Yes |
| | | Serial No. | Board No. | | | Replacement | or No) |
| Orifice at Bolted | Unknown | Not Recorded | Not | 1SI05MC | Not | Replaced | No |
| Connection 1SI05MC | | | Recorded | | Recorded | · | |
| 2" NPS, ¼" thick with | Energy Steel / | Heat 877945 | Not | Cat ID 1422869-1 | 2007 | Replacement | No |
| 1.75" bore | Allegheny | | Applicable | UTC 2789820 | | | |
| SA-240 TP304 | Ludlum | | | | | | |
| ECCS sump debris | · | | | s part of EC360141, wh | nich addresses | "downstream effec | ts" associated with |
| 8. Tests Conducted: | • | Pneumatic 🗌 No | • | | | | |
| | Oth | er 🛛 Pressure <u>8</u> | 04 psig T | est Temp. <u>85.5</u> °F | | | |
| 9. Remarks: VT-2 per | rformed on 10/16/2 | 007 during 1BwVSI | R TRM 2.5.c.1 s | surveillance. Applicable | e documentation | on for spacer plate v | vas attached at the |
| time of final review | | | | , | | | |
| | | CEI | RTIFICATE OF | COMPLIANCE | | | |
| We certify that the statem | ents made in the re | port are correct and | d this replaceme | ent conforms to the | | | |
| rules of the ASME Code, | Section XI. Type | Code Symbol Stan | np: Not Applica | ble Certificate of Aut | horization No. | : Not Applicable | |
| Signed Brendan | J. Casus | | SI Coordinator | Date/ | 0/23 , 20 | 07 | |
| Owner or Ow | ner's Designee, Y it | le | | | | | |
| | | | | | | | |
| | | | | | | | |
| | ······································ | | | | | | |
| | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| I, the undersigned, holding | | | | | | | |
| and employed by HSBCT to the best of my knowledge | | | | | | | |
| accordance with the requir | | | | and taken contective in | leasures descr | ibed in tins Owners | rieport in |
| By signing this certificate r | | | | ranty, expressed or imp | lied, concernir | ng the examinations | and corrective |
| measures described in this property damage or a loss | | | | | be liable in any | manner for any pe | rsonal injury or |
| 1 | | | | | | | |
| 1 h | ~luer | | | Commissions | IL1085 | | |
| Inspector's Signa | ture | | | Natio | | te, Province, and Er | ndorsements |
| | | | | | | | |
| Date 10-23- 200 | 7 | | | | | | |

| | | | • | | | | | |
|--|---|---|---|--|---|---|--|--|
| 1. | | xelon Generation C Exelon Way, Kenne | | 48 | | | te 10/23/2007 eet 1 of 1 | |
| 2. | | Braidwood Station 00 S. Rte. 53, Suite | | 0407 | | | ork Order #00919434 pair Organization P. | |
| 3. | Work Performe Address: 3640 | ed By: Shaw / Ston 00 S. Essex Road, V | ne & Webster Wilmington, IL 6048 | 31 | | Aut | de Symbol Stamp: I horization No.: Non piration Date: None | |
| 4. | Identification o | f System: Safety In | jection (SI) (Class | 2 Portion of Sy | stem) | CV | mation Date. None | |
| | (b) Applicable E (c) Section XI c | Edition of Section XI ode Cases used: N | Utilized for Repairs lone | s or Replaceme | immer 1975 Addenda, ints: 1989 Edition with | | 9 | |
| | Identification of Con | Name of Manufacturer | or Replaced and Ri Manufacturer Serial No. | eplacement Col National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| | rifice at Bolted nection 1SI05MD | Unknown | Not Recorded | Not Recorded | 1SI05MD | Not Recorded | Replaced | No |
| | PS, ¼" thick with 1.75" bore A-240 TP304 | Energy Steel / Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422869-1 UTC 2789820 | 2007 | Replacement | No |
| 9. | Remarks: VT-2 pe | erformed on 10/16/20 | 007 during 1BwVSI | R TRM 2.5.c.1 s | est Temp. <u>85.5</u> °F | | on for spacer plate v | vas attached at the |
| We c | ertify that the statem | ents made in the re | port are correct and | d this replaceme | COMPLIANCE ent conforms to the able Certificate of Au | therization Na | . Not Applicable | |
| | d Brendan | A + | 2 | SI Coordinator | | 10/23 , 20 | | |
| | | | | | | | | |
| | | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| and e to the accor By sig meas | imployed by HSBCT best of my knowled dance with the requi gning this certificate | of CT have inspected and belief, the O irements of the ASM neither the Inspectors Owner's Report. | ed the components twner has performe IE Code, Section X ir nor his employer Furthermore, neithe | described in the dexaminations l. makes any ware the Inspector | Boiler and Pressure Ve is Owner's Report during and taken corrective of ranty, expressed or imp nor his employer shall tion. | ng the period 7 neasures desc olled, concerni | 7/30/2007 to 10/23/2 ribed in this Owner's and the examinations | 007, and state that Report in and corrective |
| | | , | | | _ | | | |
| | Inspector's Signi | atura | | | Commissions Natio | | ate. Province, and E | odorsements |
| | mapecior a digin | u.u.o | | | 14dir | mai waru, ota | no, i lovinos, and El | adoraementa |

Date 10 - 23- 2007

| | Exelon Generation C D Exelon Way, Kenn | | Date 10/29/2007 Sheet 1 of 1 | | | | | | | |
|--|---|--|-------------------------------------|---|------------------------------------|--|-------------------------------------|--|--|--|
| | Braidwood Station 00 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 604 | 07 | | | Order #00919436 r Organization P.0 | | | | |
| 3. Work Perform Address: 364 | ed By: The Shaw G 00 S. Essex Road, V | roup Vilmington, IL 60481 | | | Autho | Symbol Stamp: Nrization No.: Nonetion Date: None | | | | |
| 4. Identification | of System: Safety In | jection (SI) (Class 2 I | Portion of Syste | em) | LAPITO | mon bate. None | | | | |
| (b) Applicable | Construction Code: Edition of Section XI code Cases used: N | Utilized for Repairs o | 4 Edition, Sumi r Replacements | mer 1975 Addenda, No s: 1989 Edition with No | Code Case Addenda | | | | | |
| | | or Replaced and Repl | | | V 0 14 | T 5:: | 1 4045 0 i | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | | |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8822A | Not Recorded | Replaced | Yes | | | |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-1-7 | Not Applicable | Cat ID 1419652-1 UTC 2784200 | 2007 | Replacement | Yes | | | |
| | | Bonnet Serial Number 0622 and Plug Serial Number 0609 | | | | | | | | |
| 7. Description of Wo | Description of Work: Replaced existing valve bonnet and internals with new bonnet and plug assembly as part of EC360141, which addresses "downstream effects" associated with ECCS sump debris. | | | | | | | | | |
| 8. Tests Conducted: | Hydrostatic 🗌 | Pneumatic Nomi | inal Operating I | Pressure 🛛 | | | | | | |
| | Othe | er 🛛 Pressure <u>872</u> | psig Test Ter | mp. <u>87.5</u> ° F | | | | | | |
| Remarks: VT-2 po Nuclear Parts and | erformed on 10/16/20 Appurtenances) was | 007 during 1BwVSR Ts attached at the time | RM 2.5.c.3 sur of final review a | veillance. Applicable do and is on file. | ocumentation | (Form N-2 Data R | eport for Identical | | | |
| We certify that the staten rules of the ASME Code, | Section XI. Type | port are correct and the Code Symbol Stamp: | | conforms to the | rization No.: N | lot Applicable | | | | |
| Signed 43 unda Owner or Ov | vner's Designee, Tid | e ISI C | Coordinator | Date | <u>131</u> , 20 <u>e</u> | 27 | | | | |
| | | | | ************************************** | | | | | | |
| | | CERTIFICAT | TE OF INSERV | ICE INSPECTION | | | | | | |
| I, the undersigned, holdin and employed by HSBCT to the best of my knowled accordance with the requ | of CT have inspected dge and belief, the O | ed the components de wner has performed e | scribed in this | Owner's Report during t | he period 8/6/ | 2007 to 10/29/200 | 7, and state that | | | |
| By signing this certificate measures described in the property damage or a loss | is Owner's Report. If | Furthermore, neither th | ne Inspector no | r his employer shall be | d, concerning t liable in any m | the examinations a anner for any pers | and corrective sonal injury or | | | |
| 1 | ~_l.u- | | | Commissions IL | 1085 | | | | | |
| Inspector's Sign | ature | | | | | Province, and End | dorsements | | | |
| Date 11-1- 20 c | 57 | | | | | | | | | |
| | | | | | | | | | | |

| | xelon Generation C Exelon Way, Kenn | o., LLC ett Square, PA 19348 | | | Date 10/29/2007 Sheet 1 of 1 | | | |
|---|---|--|--|---|---|--|-------------------------------------|--|
| | Braidwood Station 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 604 | 07 | | | Order #00919436 r Organization P.0 | | |
| | ed By: The Shaw G 00 S. Essex Road, V | roup Wilmington, IL 60481 | | | Code Symbol Stamp: None Authorization No.: None Expiration Date: None | | | |
| 4. Identification of | System: Safety In | jection (SI) (Class 2 I | Portion of Syste | ım) | Expad | alon balo. Nono | | |
| (b) Applicable E (c) Section XI of | dition of Section XI ode Cases used: N | Utilized for Repairs o lone | r Replacements | mer 1975 Addenda, No s: 1989 Edition with No | Code Case Addenda | | | |
| | | or Replaced and Repl | acement Comp | | V 5. 94 | | 1 1015 0 1- | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8822B | Not Recorded | Replaced | Yes | |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-1-9 | Not Applicable | Cat ID 1419652-1 UTC 2784202 | 2007 | Replacement | Yes | |
| | | Bonnet Serial Number 0628 and Plug Serial Number 0611 | | | | | | |
| | s" associated with I | g valve bonnet and in ECCS sump debris. Pneumatic Nom | | v bonnet and plug asse Pressure ⊠ | mbly as part o | f EC360141, whic | h addresses | |
| | Othe | er ⊠ Pressure <u>872</u> | psig Test Ter | mp. <u>87.5</u> °F | | | | |
| | | 007 during 1BwVSR T s attached at the time | | veillance. Applicable dand is on file. | ocumentation | (Form N-2 Data R | eport for Identica | |
| We certify that the statem rules of the ASME Code, | ents made in the re Section XI. Type | port are correct and th | IFICATE OF CO nis replacement Not Applicable | conforms to the Certificate of Autho | 1. | | | |
| Signed Bunds Owner or Ow | C. Cusuy ner's Designed, Titl | ISI C | Coordinator | Date/ <i>C</i> | °/ 3 /, 20_ <i>C</i> | 27 | | |
| | | | | | ······································ | | | |
| *************************************** | | | | | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the require | of CT have inspecte ge and belief, the O | n issued by the Nation ed the components de wner has performed e | nal Board of Boi | Owner's Report during t | he period 8/6/ | 2007 to 10/29/200 | 7, and state that | |
| By signing this certificate r measures described in this property damage or a loss | S Owner's Report. I | Furthermore, neither th | he Inspector no | r his employer shall be | d, concerning t liable in any m | he examinations a anner for any per | and corrective sonal injury or | |
| 1 4 | | | | Commissions IL | 1085 | | | |
| Inspector's Signa | ture | | | | 1085 Board, State, | Province, and En | dorsement s | |
| | | | | | | | | |

Date 11-1-

, 2007

| | xelon Generation C Exelon Way, Kenn | o., LLC ett Square, PA 19348 | | Date 10/29/2007 Sheet 1 of 1 | | | | |
|---|---|---|-----------------------------------|--|---|--|-------------------------------------|--|
| | Braidwood Station 0 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6040 | 07 | | <u>Work</u> Repai | Order #00919436 r Organization P.0 | -04 D., Job No., etc | |
| | d By: The Shaw G 0 S. Essex Road, V | roup Vilmington, IL 60481 | | | Code Symbol Stamp: None Authorization No.: None Expiration Date: None | | | |
| 4. Identification of | System: Safety In | jection (SI) (Class 2 I | Portion of Syste | em) | Expira | mon Date. None | | |
| (b) Applicable E | construction Code: dition of Section XI ode Cases used: N | Utilized for Repairs o | 4 Edition, Sum r Replacement | mer 1975 Addenda, No s: 1989 Edition with No | Code Case Addenda | | | |
| | | or Replaced and Repl | | | | , | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8822C | Not Recorded | Replaced | Yes | |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-1-8 Bonnet Serial Number 0626 and Plug Serial | Not Applicable | Cat ID 1419652-1 UTC 2784201 | 2007 | Replacement | Yes | |
| | | Number 0610 | | | | | | |
| 7. Description of Work "downstream effect | | | ternals with nev | w bonnet and plug asse | mbly as part o | f EC360141, whic | h addresses | |
| 8. Tests Conducted: | - | Pneumatic Nom | | | | | | |
| | Otno | er ☑ Pressure <u>872</u> | psig restre | mp. <u>87.5</u> °F | | | | |
| 9. Remarks: VT-2 per Nuclear Parts and A | rformed on 10/16/20 Appurtenances) was | 007 during 1BwVSR T s attached at the time | RM 2.5.c.3 sur of final review | veillance. Applicable de and is on file. | ocumentation | (Form N-2 Data R | leport for Identical | |
| We certify that the statem rules of the ASME Code, | | port are correct and th | | conforms to the | rization No.: N | Not Applicable | | |
| Signed Brendan Owner or Ow | J. Casey ner's Designes, Titi | ISI C | Coordinator | Date | / 3/ , 20 0 | Z | | |
| | | | | | | | | |
| | | CERTIFICAT | TE OF INSERV | ICE INSPECTION | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowledg accordance with the require | of CT have inspecti ge and belief, the O | n issued by the Nation ed the components de wner has performed e | nal Board of Boi | iler and Pressure Vesse Owner's Report during t | he period 8/6/ | 2007 to 10/29/200 | 7, and state that | |
| By signing this certificate r measures described in this property damage or a loss | s Owner's Report. I | Furthermore, neither th | he Inspector no | r his employer shall be | | | | |
| 1 here | | | | Commissions IL | 1085 | | | |
| Inspector's Signa | ture | | | National | Board, State, | Province, and En | dorsement s | |
| Date LI-I- 20 o | 7 | | | | | | | |

| | Exelon Generation C Exelon Way, Kenne | Date 10/29/2007 Sheet 1 of 1 | | | | | | | | |
|--|--|---|-------------------------------------|---|---|---|--------------------------------|--|--|--|
| | Braidwood Station 00 S. Rte. 53, Suite | Unit 1 84, Braceville, IL 6040 | 07 | | | Order #00919436 r Organization P.0 | | | | |
| | ed By: The Shaw G 00 S. Essex Road, V | roup Vilmington, IL 60481 | | | Code Symbol Stamp: None Authorization No.: None Expiration Date: None | | | | | |
| 4. Identification of | f System: Safety In | jection (SI) (Class 2 I | Portion of Syste | em) | ZAPITO | mon Date. Hone | | | | |
| (b) Applicable E (c) Section XI o | Edition of Section XI tode Cases used: N | Utilized for Repairs o lone | r Replacements | mer 1975 Addenda, No s: 1989 Edition with No | | | | | | |
| Identification of Cor Name of Component | nponents Repaired Name of | or Replaced and Repl Manufacturer | acement Comp National | onents: Other Identification | Year Built | Repaired, | ASME Code | | | |
| Name of Component | Manufacturer | Serial No. | Board No. | Other identification | rear built | Replaced, or Replacement | Stamped (Yes or No) | | | |
| Valve Bonnet Assembly for Copes Vulcan 2" 1500# Manual Valve | Copes Vulcan | Not Recorded | Not Recorded | 1SI8822D | Not Recorded | Replaced | Yes | | | |
| Bonnet and Plug Assembly for 2" Class 1500 Valve | SPX Valves & Controls | Appurtenance Serial Number 0651-125058-1-3 | Not Applicable | Cat ID 1419652-1 UTC 2776628 | 2007 | Replacement | Yes | | | |
| | | Bonnet Serial Number 0629 and Plug Serial Number 0603 | | | | | | | | |
| "downstream effects" 8. Tests Conducted: 9. Remarks: VT-2 per (Pressure 788/780) | "downstream effects" associated with ECCS sump debris. 8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Other ☒ Pressure 872* psig Test Temp. 87.5* °F | | | | | | | | | |
| We certify that the statem rules of the ASME Code, | | port are correct and th | | conforms to the | rization No.: N | lot Applicable | | | | |
| Signed Brendan | | | Coordinator | Date _ <i>[0]</i> | <u>/3/</u> ,200 | 7 | | | | |
| Owner or Ow | /něr's Designefé, Titl | e | | | | | | | | |
| | | | | | | | | | | |
| | | CERTIFICAT | TE OF INSERV | ICE INSPECTION | | | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowled accordance with the requirements. | of CT have inspecte ge and belief, the O rements of the ASM | ed the components de wner has performed e E Code, Section XI. | scribed in this (xaminations an | Owner's Report during d taken corrective mea | the period 8/6/2 sures describe | 2007 to 10/29/200 id in this Owner's | 7, and state that Report in | | | |
| By signing this certificate is measures described in this property damage or a loss | s Owner's Report. F | Furthermore, neither th | ne Inspector no | r his employer shall be | | | | | | |
| I have to | 4 | | | Commissions IL | 1095 | | | | | |
| Inspector's Signa | nture | | | | 1085 Board, State, | Province, and End | dorsements | | | |
| , | | | | | ., | | | | | |

Date 11-1- 20 0]

| 1. | | xelon Generation C Exelon Way, Kenne | | Date 10/23/2007 Sheet 1 of 1 | | | | |
|----------------|--|---|--|--|--|----------------------------|---|---------------------|
| 2. | | Braidwood Station I 00 S. Rte. 53, Suite | | 0407 | | | rk Order #00919436 pair Organization P. | |
| 3. | | ed By: Shaw / Stone 00 S. Essex Road, V | | 31 | | Auth | le Symbol Stamp: Norization No.: Non iration Date: None | |
| 4. | Identification of | System: Safety In | jection (SI) (Class | 2 Portion of Sy | stem) | | | |
| 5 | (b) Applicable E | Construction Code: dition of Section XI ode Cases used: N | Utilized for Repairs | 974 Edition, Su s or Replaceme | ummer 1975 Addenda, I ents: 1989 Edition with | No Code Case No Addenda | | |
| 6. | Identification of Con | ~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~ | or Replaced and R | eplacement Co | mponents: | r | Danairad | ASME Code |
| Nai | me of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Stamped (Yes or No) |
| | Orifice at Bolted Innection 1SI06MA | Unknown | Not Recorded | Not Recorded | 1SI06MA | Not Recorded | Replaced | No |
| | NPS, ¼" thick with 1.75" bore SA-240 TP304 | Energy Steel / Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422869-1 UTC 2789820 | 2007 | Replacement | No |
| 7. 8. 9. | ECCS sump debris Tests Conducted: | Hydrostatic Other | Pneumatic Notes No | ominal Operatin 172 psig T R TRM 2.5.c.3 s | s part of EC360141, who specified by the | | | |
| We | certify that the statem s of the ASME Code, | ents made in the re | port are correct an | d this replaceme | | horization No.: | Not Applicable | |
| | ned Brand | 1 | eur 15 | Si Coordinator | | 1 <u>0/23</u> , 20 | | |
| | | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| and to th | employed by HSBCT | of CT have inspecte ge and belief, the O | ed the components wner has performe | described in the described in the | Boiler and Pressure Ve is Owner's Report during and taken corrective m | ig the period 7/ | /27/2007 to 10/23/20 | 007, and state that |
| mea | | s Owner's Report. I | Furthermore, neithe | er the Inspector | ranty, expressed or imp nor his employer shall stion. | | | |
| | Raky | W. Whit | L L | | Commissions | I/1. # | 1927 te, Province, and Er | |
| | Inspector e signa | W. White | | | Natio | nal Board, Stai | te, Province, and Er | ndorsements |
| Date | 10-23,20 0 | o/) | | | | | | |
| | | | | | | | | |

| | | xelon Generation C Exelon Way, Kenne | | 48 | | | e 10/23/2007 eet 1 of 1 | |
|---|--|---|---|--|---|---|--|-------------------------------------|
| | | Braidwood Station 6 0 S. Rte. 53, Suite | | 0407 | | | rk Order #00919436 pair Organization P. | |
| 3. | Work Performe Address: 3640 | d By: Shaw / Stone 0 S. Essex Road, V | e & Webster Vilmington, IL 6048 | 31 | | Aut | de Symbol Stamp: Non horization No.: Non piration Date: None | |
| 4. | dentification of | System: Safety In | jection (SI) (Class | 2 Portion of Sy | stem) | - A | mation bate. Hone | |
| 5 (a) (b) (c) | Applicable E Section XI co | dition of Section XI ode Cases used: N | Utilized for Repairs one | s or Replaceme | immer 1975 Addenda, i nts: 1989 Edition with | No Code Case No Addenda | 3 | |
| 6. Identif | fication of Com | ponents Repaired | or Replaced and R | eplacement Co | mponents: | | T. Danisad | L AGUE G de |
| Name of C | Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) |
| Orifice a Connection | | Unknown | Not Recorded | Not Recorded | 1SI06MB | Not Recorded | Replaced | No |
| 2" NPS, ¼' 1.75" SA-240 | bore | Energy Steel / Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422869-1 UTC 2789820 | 2007 | Replacement | No |
| 9. Remotime We certify to rules of the | of final review hat the statem ASME Code, rendan | other of 10/16/20 and is on file. ents made in the respection XI. Type | 007 during 1BwVSl CEI port are correct and Code Symbol Stan | PR TRM 2.5.c.3 s RTIFICATE OF d this replacement | est Temp. 87.5 °F surveillance. Applicable COMPLIANCE ent conforms to the ble Certificate of Aut | | : Not Applicable | as attached at the |
| | Owner or Ow | nel's Designee, fitt | e | | | 11; *********************************** | | |
| | | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | |
| and employ to the best of | red by HSBCT of my knowledg | of CT have inspecte | ed the components Twner has performe | described in the descri | Boiler and Pressure Ver is Owner's Report during and taken corrective n | ig the period 7 | /30/2007 to 10/23/20 | 007, and state that |
| measures d | escribed in this | | Furthermore, neithe | er the Inspector | ranty, expressed or imp nor his employer shall l tion. | | | |
| | 1 | alde | | | Commissions | II 10 95 | | |
| ins | spector's Signa | ture | | | Commissions Natio | nal Board, Sta | te, Province, and Er | ndorsements |
| Date 10 - | 23- 20 <u>0</u> | | | | | | | |

| | xelon Generation C Exelon Way, Kenne | | 48 | | Date 10/23/2007 Sheet 1 of 1 | | | |
|---|---|---|--|--|---------------------------------|---|-------------------------------------|--|
| | Braidwood Station I 00 S. Rte. 53, Suite | | 0407 | | | rk Order #00919436 pair Organization P. | | |
| | ed By: Shaw / Stone 00 S. Essex Road, V | | 31 | | Auti | de Symbol Stamp: I horizatìon No.: Non iration Date: None | | |
| 4. Identification o | f System: Safety In | jection (SI) (Class | 2 Portion of Sy | stem) | | | | |
| (b) Applicable E (c) Section XI c | Edition of Section XI ode Cases used: N | Utilized for Repairs | s or Replaceme | ımmer 1975 Addenda, ınts: 1989 Edition with | No Code Case No Addenda | • | | |
| Identification of Con | | or Replaced and R | eplacement Co | mponents: | <u> </u> | D | 1 4045 0 1 | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | |
| Orifice at Bolted Connection 1SI06MC | Unknown | Not Recorded | Not Recorded | 1SI06MC | Not Recorded | Replaced | No | |
| 2" NPS, ¼" thick with 1.75" bore SA-240 TP304 | Energy Steel / Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422869-1 UTC 2789820 | 2007 | Replacement | No | |
| We certify that the statem rules of the ASME Code, | erformed on 10/16/20 and is on file. | 007 during 1BwVSI CEI port are correct and Code Symbol Stan | R TRM 2.5.c.3 s RTIFICATE OF d this replacement | able Certificate of Aut | a documentatio | Not Applicable | vas attached at the | |
| | | | | | | | | |
| | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | | |
| I, the undersigned, holdin and employed by HSBCT to the best of my knowled accordance with the requi | of CT have inspecti ge and belief, the C | ed the components Owner has performe | described in the descri | is Owner's Report durir | ng the period 7. | /30/2007 to 10/23/2 | 007, and state that | |
| By signing this certificate measures described in thi property damage or a loss | s Owner's Report. I | Furthermore, neithe | er the Inspector | nor his employer shall | | | | |
| 1 | | | | | | | | |
| Inspector's Signa | ature | | | Commissions Natio | IL1085 Inal Board, Sta | te, Province, and Er | ndorsements | |
| Date 10-73- 200 | 7 | | | | | | | |

| Owner : Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 | | | | | | Date 10/23/2007 Sheet 1 of 1 | | | |
|---|---|--|---|--|--|--|-------------------------------------|--|--|
| Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 | | | | | | Work Order #00919436-27 Repair Organization P.O., Job No., etc | | | |
| 3. Work Performed By: Shaw / Stone & Webster Address: 36400 S. Essex Road, Wilmington, IL 60481 | | | | | Code Symbol Stamp: None Authorization No.: None | | | | |
| 4. Identification of System: Safety Injection (SI) (Class 2 Portion of System) | | | | | | piration Date: None | | | |
| (b) Applicable E | | Utilized for Repairs | | immer 1975 Addenda, nts: 1989 Edition with | | • | | | |
| 6. Identification of Com | | or Replaced and R | eplacement Co | mponents: | | | | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| Orifice at Bolted Connection 1SI06MD | Unknown | Not Recorded | Not Recorded | 1SI06MD | Not Recorded | Replaced | No | | |
| 2" NPS, ¼" thick with 1.75" bore SA-240 TP304 | Energy Steel / Allegheny Ludlum | Heat 877945 | Not Applicable | Cat ID 1422869-1 UTC 2789820 | 2007 | Replacement | No | | |
| for spacer plate was We certify that the statem rules of the ASME Code, signed Bundans | ofther of 10/18/20 of attached at the tine ents made in the respection XI. Type | 007 and 10/19/200 ne of final review and CEI port are correct and Code Symbol Stan | 7 during reperform is on file. RTIFICATE OF d this replacement | rmance of 1BwVSR TF COMPLIANCE ent conforms to the ble Certificate of Aut | RM 2.5.c.3 sun | : Not Applicable | e documentation | | |
| | | CERTIFIC | CATE OF INSE | RVICE INSPECTION | | | | | |
| I, the undersigned, holding and employed by HSBCT that to the best of my know accordance with the require By signing this certificate r | of CT have inspect vledge and belief, t rements of the ASM | n issued by the Nat ed the components the Owner has perf IE Code, Section X | tional Board of I described in th formed examina | Boiler and Pressure Ve is Owner's Report durir tions and taken correct | ng the period 1 ive measures | 0/17/2007 to 10/23/ described in this Ow | 2007, and state mer's Report in | | |
| measures described in this property damage or a loss | s Owner's Report. I | Furthermore, neithe | er the Inspector | nor his employer shall | | | | | |
| L has | 2 | | | Commissions | II 109E | | | | |
| Inspector's Signa | | | | Commissions Natio | I <u>L1085</u> nai Board, Sta | te, Province, and Er | ndorsements | | |
| Date 10-23- 20 0 | | | | | | | | | |

| Owner : Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 | | | | | | Date 11/21/2007 Sheet 1 of 1 | | | | |
|---|--|--|--|---|--------------------------------------|--|--|--|--|--|
| | . Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 | | | | | | Work Order #00973708-09 Repair Organization P.O., Job No., etc | | | |
| 3. Work Perfo | | Code Symbol Stamp: None Authorization No.: None | | | | | | | | |
| Identification of System: Safety Injection (SI) (Class 2 Portion of System) | | | | | | ation Date: None | | | | |
| (b) Applicab | | XI Utilized for Repair | | ımmer 1975 Addenda, i ents: 1989 Edition with | | | | | | |
| 6. Identification of | Components Repaire Name of | ed or Replaced and F | Replacement Co | mponents: | <u> </u> | Repaired, | ASME Code | | | |
| Name of Component | | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Replaced, or Replacement | Stamped (Yes or No) | | | |
| ECCS Modification Kit Screen Strainer to Existing Pipe | CCIAG | PO# 412951 | Not Recorded | Cat ID 1415263 UTC 2779829 | 2007 | Replacement | No | | | |
| ER 308L (3/32" Diameter) | Arcos | Lot CT8659 | Not Applicable | Cat ID 8497-1 UTC 2785471 | 2003 | Replacement | No | | | |
| ER 308L (1/8" Diameter) | Arcos | Lot DF7995 | Not Applicable | Cat ID 8513-1 UTC 2702660 | 2007 | Replacement | No | | | |
| of work was ex | empt from ASME Set attached by welding t ed: Hydrostatic | ction XI repair/replactories existing pipe (Line | ement rules, scr. 1S106AA-24"). ominal Operatin | accordance with EC 35 een strainer is not an A Liquid penetrant of we g Pressure psig Test Temp! | SME componen lids in the finishe | t. Ring collar for n d condition was po | ew strainer | | | |
| 9. Remarks: Appl | licable documentation | n for weld filler mater | ial was attached | at the time of final revie | ew and is on file. | | | | | |
| We certify that the sta | tements made in the | report are correct an | RTIFICATE OF d this replacements. Not Applica | | horization No.: 1 | Not Applicable | | | | |
| Signed Bread | An J. Las. Owner's Designee, | les 15 | SI Coordinator | | /1/2/_, 20 <u>/</u> | | | | | |
| | | OFFICI | 0 A TE OF WOR | | | | | | | |
| and employed by HSB to the best of my know accordance with the re | ICT of CT have inspended of the AS and belief, the equirements of the AS | sion issued by the Na icted the components Owner has performe SME Code, Section X | tional Board of E described in thi d examinations II. | RVICE INSPECTION Boiler and Pressure Ves s Owner's Report durin and taken corrective me | g the period 3/2 easures describe | 1/2007 to 11/21/20 ed in this Owner's | 07, and state that Report in | | | |
| By signing this certification measures described in property damage or a l | this Owner's Report | . Furthermore, neithe | er the Inspector i | anty, expressed or impl nor his employer shall b ion. | ied, concerning e liable in any m | the examinations a nanner for any pers | and corrective sonal injury or | | | |
| 1 1 | | | | Commission | CL # 10 | 9- | | | | |
| Inspector's Si | gnature | | | Commissions Nation | nal Board, State, | Province, and End | dorsements | | | |
| Data 11-26 20 |)(n = 7 | | | | | | | | | |

| Owner : Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 | | | | | | Date 11/21/2007 Sheet 1 of 1 | | | |
|---|---|--|---|---|---|---|---|--|--|
| 2. Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 | | | | | | Work Order #00973708-14 Repair Organization P.O., Job No., etc | | | |
| Work Performed By: Shaw / Stone & Webster Address: 36400 S. Essex Road, Wilmington, IL 60481 Identification of System: Safety Injection (SI) (Class 2 Portion of System) | | | | | | Code Symbol Stamp: None Authorization No.: None Expiration Date: None | | | |
| (b) Applicable | | XI Utilized for Repair | | ımmer 1975 Addenda, I ents: 1989 Edition with | | | | | |
| 6. Identification of Co | mponents Repaire Name of | d or Replaced and F | Replacement Co | mponents: | Υ | Oanairad | ASME Code | | |
| Name of Component | Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | Stamped (Yes or No) | | |
| ECCS Modification Kit Screen Strainer to Existing Pipe | CCI AG | PO# 41295 | Not Recorded | Cat ID 1415263 UTC 2779829 | 2007 | Replacement | No | | |
| ER 308L (3/32" Diameter) | Arcos | Lot CT8659 | Not Applicable | Cat ID 8497-1 UTC 2785471 | 2003 | Replacement | No | | |
| ER 308L (1/8" Diameter) | Arcos | Lot DF7995 | Not Applicable | Cat ID 8513-1 UTC 2702660 | 2007 | Replacement | No | | |
| assembly was atta 358828. 8. Tests Conducted: | ached by welding to Hydrostatic (Ot | o existing pipe (Line Pneumatic \(\) N her \(\) Pressure \(\) | 1SI06AB-24"). ominal Operatin | een strainer is not an A. Liquid penetrant of we g Pressure psig Test Temp at the time of final revie | lds in the finishe | ed condition was pe | ew strainer erformed per EC | | |
| We certify that the stater | | report are correct an | | ent conforms to the | | | | | |
| rules of the ASME Code | | | | | 4 | | | | |
| Signed Sunday Owner or O | wner's Designee, | A !! | SI Coordinator | Date/ | <u>(1/2/</u> , 20 <u>.</u> | 27 | | | |
| | | | | | | | | | |
| I, the undersigned, holding and employed by HSBCT to the best of my knowled accordance with the required By signing this certificate measures described in the property damage or a los | T of CT have inspecting and belief, the uirements of the AS ineither the Inspection Owner's Report. | ion issued by the Na cted the components Owner has performe ME Code, Section X for nor his employer Furthermore, neithe | tional Board of E described in thi de examinations II. makes any warn er the Inspector i | s Owner's Report during and taken corrective me anty, expressed or impl nor his employer shall b | g the period 3/2 easures describe ied, concerning | 1/2007 to 11/21/20 ed in this Owner's f the examinations a | 07, and state that Report in and corrective | | |
| | · | - | | | 7 | | | | |
| Inspector's Sign | Commissions T | nai Board, State, | Province, and End | lorsements | | | | | |
| Date 11-2-6-, 20 c | 27 | | | | n 1900 kali kali kali kali kali kali kali kali | | | | |

| Owner : Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 Plant Name: Braidwood Station Unit 1 | | | | | Date 10/30/2007 Sheet 1 of 1 Work Order #00907366-01 | | | | |
|--|--|--|-----------------------|--|--|---|-------------------------------------|--|---|
| | | | | | | | | | Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 |
| 3. Work Performa Address: 364 | Work Performed By: Shaw / Stone & Webster Address: 36400 S. Essex Road, Wilmington, IL 60481 | | | | | Code Symbol Stamp: None Authorization No.: None | | | |
| 4. Identification of | f System: Steam Gen | erator Blowdown (| (SD) Class 2 sy | stem | Expiration Date: None | | | | |
| | Construction Code: AS | | | | | 1644 Revision 7, 16 1686, 1651, 1728, and N-108 | | | |
| * * | Edition of Section XI Unode Cases used: Nor | • | or Heplacemen | its: 1989 Edition with | n No Addenda | | | | |
| | nponents Repaired or | | | | Year Built | T Bassined | ACME Code | | |
| Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | | |
| PSA-1/2 Mechanical Snubber (Including Figure 137N U-Bolt) 1SD23089S | ITT Grinnell | S/N 3486 | Not Applicable | 1SD23089S | Not Recorded | Replaced | No | | |
| PSA-1/2 Mechanical Snubber | ITT Grinnell | S/N 8045 | Not Applicable | Cat ID 27530-1 UTC 2035422 | Not Recorded | Replacement | No | | |
| 3/8" U-Bolt Hanger | Anvil International | U-Bolt: Heat B-887 Hex Nuts: Heat M0491 | Not Applicable | Cat ID 42581-1 UTC 2778418 | 2007 | Replacement | No | | |
| Issue Report 4695 | k: Replaced existing s 57). Existing u-bolt w sted prior to installation Hydrostatic F | as damaged during | g snubber remo | oval and was replace | | | | | |
| | Other | | , , | sig Test Temp. No | t Applicable_ °F | : | | | |
| | am of snubber suppor e maintained on file. | t was performed at | fter reinstallatio | n. Applicable Manul | facturer's Data I | Reports were attach | ned at the time of | | |
| We certify that the statem rules of the ASME Code, | Section XI. Type Co | rt are correct and to de Symbol Stamp | : Not Applicable | nt conforms to the le Certificate of Au | | Not Applicable | | | |
| Signed <u>Brandan</u> Owner or Ow | J. Casey mer's Designee, Title | ISI Coor | rdinator [| Date 10/30 | 20 <u>07</u> | | | | |
| | | | | | | | | | |
| | | CERTIFICA | TE OF INSER | VICE INSPECTION | | | | | |
| I, the undersigned, holdin- and employed by HSBCT to the best of my knowled accordance with the requi | of CT have inspected ge and belief, the Own | the components de er has performed | escribed in this | Owner's Report duri | ing the period 6/ | /16/2007 to 10/30/2 | 007, and state that | | |
| By signing this certificate in the measures described in the property damage or a loss | s Owner's Report. Fur | thermore, neither I | the Inspector no | or hi <mark>s employer</mark> shall | | | | | |
| 1 has | ver | | | _ Commissions | IL1085 | | | | |
| Inspector's Signa | ture | The state of the s | | Natio | onal Board, Stat | te, Province, and Er | ndorsement s | | |
| Date 10 - 30 . 20 c | > 7 | | | | | | | | |

| Owner : Exelon Generation Co., LLC Address: 300 Exelon Way, Kennett Square, PA 19348 | | | | | | Date 11/5/2007 Sheet 1 of 1 | | | |
|---|--|--|---|-----------------------|-------------------------------|---|--|-------------------------------------|--|
| | Plant Name: Braidwood Station Unit 1 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 | | | | | | Work Order #01055877-01 Repair Organization P.O., Job No., etc | | |
| Work Performed By: Braidwood Mechanical Maintenance Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 | | | | | Aut | Code Symbol Stamp: None Authorization No.: None Expiration Date: None | | | |
| | 4. Identification of S | ystem: Steam Gen | erator Blowdown (| SD) Class 2 sy | /stem | LΛ | mation bate. None | • | |
| | (b) Applicable Edit | | tilized for Repairs o | | nmer 1974 Addenda | | 644 Revision 7, 16 1686, 1651, 1728, and N-108 | | |
| | 6. Identification of Compo | onents Repaired or | Replaced and Rep | lacement Com | ponents: | | | | |
| | Name of Component | Name of Manufacturer | Manufacturer Serial No. | National Board No. | Other Identification | Year Built | Repaired, Replaced, or Replacement | ASME Code Stamped (Yes or No) | |
| | PSA-1/4 Mechanical Snubber 1SD23093S | ITT Grinnell | S/N 10395 | Not Applicable | 1SD23093S | Not Recorded | Replaced | No | |
| | PSA-1/4 Mechanical Snubber | ITT Grinnell | S/N 7487 | Not Applicable | Cat ID 27676-1 UTC 2052208 | Not Recorded | Replacement | No | |
| | 7. Description of Work: (reference Issue Repartitional snubbers) | ort 662727). Repla must be performed. | icement snubber w | as functionally | tested prior to instal | | | | |
| | 8. Tests Conducted: | Hydrostatic F | Pneumatic Nom | inal Operating | Pressure | | | | |
| | | Other | Pressure Not A | Applicable p | sig Test Temp. <u>No</u> | t Applicable_ °F | | | |
| | Remarks: VT-3 exam final review and are m | | was performed afte | er reinstallation | . Applicable Manufa | cturer's Data Re | eports were attache | ed at the time of | |
| | We certify that the statemen rules of the ASME Code, Se | | rt are correct and t | | nt conforms to the | uthorization No.: | Not Applicable | | |
| | Signed <u>James</u> Owner or Owne | rs Designee, Title | ISI Coor | dinator [| Date | 20 <i>07</i> | | | |
| | | | ······································ | | | | | | |
| Total Commence of the Land | | | CERTIFICA | TE OF INSER | VICE INSPECTION | | | | |
| e direkt dan perform har para and establish dan perpendikan per | I, the undersigned, holding a and employed by HSBCT of to the best of my knowledge accordance with the requiren | CT have inspected and belief, the Own | the components de er has performed e | escribed in this | Owner's Report duri | ing the period 8/ | 21/2007 to 11/5/20 | 07, and state that | |
| Providing of the street was department on a passage plan | By signing this certificate nei- measures described in this C property damage or a loss of | wner's Report. Fur | thermore, neither t | he inspector no | or his employer shall | plied, concerning be liable in any | the examinations manner for any pe | and corrective rsonal injury or | |
| the and distributions and delighters. | 1 house | | | | Commissions | IL1085 | | | |
| Been property or spatialists | inspector's Signatur | e | | | | | e, Province, and Er | ndorsement s | |
| A STATE OF STREET | Date 11-5- 2007 | | | | | | | | |
| Ł., | constitution and the constitution of the const | | | | | | | | |