



FORM NIS-2 (Back)

9. Remarks WO# 00866729-01

Applicable Manufacturer's Data Reports to be attached

\*W74 for NB-2331(D), NB-2332(A)(2), NB-4332, NB-4334, 4334.1, 4332.2, NB-4335, 4335.1, 2, 3

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] RRR Coord  
Owner or Owner's Designee, Title

Date 6/22, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/15/07 to 4/22/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

126-1254

National Board, State Province, and Endorsements

Date:

June 22, 20 07

(Final)

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                            |                                                          |                                              |                       |
|----|----------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|-----------------------|
| 1. | Owner                                                                      | <u>Exelon Nuclear</u>                                    | Date                                         | <u>4/23/07</u>        |
|    |                                                                            | Name                                                     |                                              |                       |
|    |                                                                            | <u>4300 Winfield Road, Warrenville, IL</u>               | Sheet                                        | <u>1</u> of <u>1</u>  |
|    |                                                                            | Address                                                  |                                              |                       |
| 2. | Plant                                                                      | <u>Byron Nuclear Power Station</u>                       | Unit                                         | <u>02</u>             |
|    |                                                                            | Name                                                     |                                              |                       |
|    |                                                                            | <u>4450 N. German Church Road, Byron, IL</u>             | <b>Work Order No. 01016216-01</b>            |                       |
|    |                                                                            | Address                                                  | Repair Organization, P.O. No., Job No., etc. |                       |
| 3. | Work Performed by                                                          | <u>Byron Mechanical Maintenance</u>                      | Type Code Symbol Stamp                       | <b>Not Applicable</b> |
|    |                                                                            | Name                                                     |                                              |                       |
|    |                                                                            | <u>4450 N. German Church Road, Byron, IL</u>             | Authorization No.                            | <b>Not Applicable</b> |
|    |                                                                            | Address                                                  | Expiration Date                              | <b>Not Applicable</b> |
| 4. | Identification of System                                                   | <u>RC-Reactor Coolant</u>                                |                                              |                       |
| 5. | (a) Applicable Construction Code                                           | <u>ASME Section III 19 71 Edition, S72 Addenda, 1649</u> | Code Case                                    |                       |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: | <b>2001 Edition/2003 Addenda</b>                         |                                              |                       |
|    | (c) Section XI Code Case(s)                                                | <u>NONE</u>                                              |                                              |                       |
| 6. | Identification of Components                                               |                                                          |                                              |                       |

[illegible]

- |    |                     |                                                                                                                          |
|----|---------------------|--------------------------------------------------------------------------------------------------------------------------|
| 7. | Description of Work | REMOVE AND REPLACE VALVE TRIM SET, CONSISTING OF PLUG, STEM AND ROLL PIN (STEM AND ROLL PIN ARE NOT ASME CODE MATERIALS) |
|----|---------------------|--------------------------------------------------------------------------------------------------------------------------|

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

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

**FORM NIS-2 (Back)**

9. Remarks WO# 01016216-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed



SAA

RFR Coord

Owner or Owner's Designee, Title

Date

5/11, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/24/07 to 5/8/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions

1LL-1254

National Board, State Province, and Endorsements

Date:

May 8, 20 07



**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                              |                                                                        |                                                          |                                              |
|----|------------------------------|------------------------------------------------------------------------|----------------------------------------------------------|----------------------------------------------|
| 1. | Owner                        | <u>Exelon Nuclear</u>                                                  | Date                                                     | <u>4/27/07</u>                               |
|    |                              | Name                                                                   |                                                          |                                              |
|    |                              | <u>4300 Winfield Road, Warrenville, IL</u>                             | Sheet                                                    | <u>1</u> of <u>1</u>                         |
|    |                              | Address                                                                |                                                          |                                              |
| 2. | Plant                        | <u>Byron Nuclear Power Station</u>                                     | Unit                                                     | <u>02</u>                                    |
|    |                              | Name                                                                   |                                                          |                                              |
|    |                              | <u>4450 N. German Church Road, Byron, IL</u>                           | Work Order No.                                           | <u>01018429-01/15</u>                        |
|    |                              | Address                                                                |                                                          | Repair Organization, P.O. No., Job No., etc. |
| 3. | Work Performed by            | <u>Westinghouse Electric Company, LLC</u>                              | Type Code Symbol Stamp                                   | <u>Not Applicable</u>                        |
|    |                              | Name                                                                   |                                                          |                                              |
|    |                              | <u>PO Box 355, Pittsburgh, PA. 15230-0355</u>                          | Authorization No.                                        | <u>Not Applicable</u>                        |
|    |                              | Address                                                                | Expiration Date                                          | <u>Not Applicable</u>                        |
| 4. | Identification of System     | <u>RC – REACTOR COOLANT</u>                                            |                                                          |                                              |
| 5. | (a)                          | Applicable Construction Code                                           | <u>ASME Section III 19 71 Edition, S/73 Addenda, N/A</u> | Code Case                                    |
|    | (b)                          | Applicable Edition of Section XI Used for Repair/Replacement Activity: | <u>2001 Edition/2003 Addenda</u>                         |                                              |
|    | (c)                          | Section XI Code Case(s)                                                | <u>N/A</u>                                               |                                              |
| 6. | Identification of Components |                                                                        |                                                          |                                              |

[illegible]

- |    |                     |                                              |                                    |                                                                |                                 |    |  |  |  |
|----|---------------------|----------------------------------------------|------------------------------------|----------------------------------------------------------------|---------------------------------|----|--|--|--|
| 7. | Description of Work | REPAIR WELD U-2 RX HEAD CRDM PENETRATION #68 |                                    |                                                                |                                 |    |  |  |  |
| 8. | Test Conducted:     | Hydrostatic <input type="checkbox"/>         | Pneumatic <input type="checkbox"/> | Nominal Operating Pressure <input checked="" type="checkbox"/> | Exempt <input type="checkbox"/> |    |  |  |  |
|    |                     | Other <input type="checkbox"/>               | Pressure 2246                      | psi                                                            | Test Temp. 558                  | °F |  |  |  |

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

FORM NIS-2 (Back)

9. Remarks WO# 01018429-01/15

Applicable Manufacturer's Data Reports to be attached

Work performed to approved relief request I3R-14.

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] (RRR COORDINATOR, ALTERNATE) Date 6/26, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/22/07 to 6/22/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 166-1854  
Inspector's Signature National Board, State Province, and Endorsements

Date: June 27, 20 07



FORM NIS-2 (Back)

9. Remarks WO# 00908892-05

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable


Certificate of Authorization No. Not Applicable

Signed  Date 3/19, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/3/07 to 3/14/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions 166-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: March 14, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                                                                                 |                                                   |                                              |
|----|---------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|---------------------------------------------------|----------------------------------------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                                                                                           | Date                                              | <u>4/20/07</u>                               |
|    |                                                                           | Name                                                                                                            |                                                   |                                              |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>                                                                      | Sheet                                             | <u>1</u> of <u>1</u>                         |
|    |                                                                           | Address                                                                                                         |                                                   |                                              |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>                                                                              | Unit                                              | <u>02</u>                                    |
|    |                                                                           | Name                                                                                                            |                                                   |                                              |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>                                                                    | Work Order No.                                    | <u>00783827-02</u>                           |
|    |                                                                           | Address                                                                                                         |                                                   | Repair Organization, P.O. No., Job No., etc. |
| 3. | Work Performed by                                                         | <u>Westinghouse Electric Company LLC</u>                                                                        | Type Code Symbol Stamp                            | <u>Not Applicable</u>                        |
|    |                                                                           | Name                                                                                                            | Authorization No.                                 | <u>Not Applicable</u>                        |
|    |                                                                           | <u>PO Box 355, Pittsburgh, PA. 15230-0355</u>                                                                   | Expiration Date                                   | <u>Not Applicable</u>                        |
|    |                                                                           | Address                                                                                                         |                                                   |                                              |
| 4. | Identification of System                                                  | <u>PRESSURIZER(RY)</u>                                                                                          |                                                   |                                              |
| 5. | (a) Applicable Construction Code (Vessel)                                 | ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case <del>1498-1</del> , <u>1528-1</u> <i>4/25/07</i> |                                                   |                                              |
|    |                                                                           | Applicable Construction Code                                                                                    | ASME Section III 19 74 Edition, S75 Addenda, None | Code Case                                    |
|    |                                                                           | (Pipe)                                                                                                          |                                                   |                                              |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u> Edition / <u>2003</u> Addenda                                                                       |                                                   |                                              |
|    | (c) Section XI Code Case(s)                                               | <u>(*) N-504-2 AND N-638-1 APPROVED BY NRC, RR 13R-08</u>                                                       |                                                   |                                              |
| 6. | Identification of Components                                              |                                                                                                                 |                                                   |                                              |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2RY01S, Safety Nozzle/DM Weld/ Safe End/SS Weld/45° Elbow	Westinghouse	PZR: 1741 Nozzle: Ht# Q2Q68W Safe End: Ht# P74S 45° Elbow: 61378-9	W13582	2RY03AA-6", 2RY01S Safety Nozzle 4A	1977	Installed	YES

- |    |                     |                                                                                                                                                                             |
|----|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7. | Description of Work | <b>STRUCTURAL WELD OVERLAY ON PRESSURIZER SAFETY NOZZLE 4A, SAFE END, NOZZLE SAFE END WELD PN-04-F4, LINE 2RY03AA-6" PIPE ELBOW, AND PIPE ELBOW TO SAFE END WELD FW127.</b> |
|----|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 227 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00783827-02

Applicable Manufacturer's Data Reports to be attached

(\*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

John and (RRE coordinator, ALTON 420)

Date 6/22, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/27/07 to 6/25/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions

166-1254  
National Board, State Province, and Endorsements

Date: June 25, 20 07

(Final)

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear  
Name  
4300 Winfield Road, Warrenville, IL  
Address

Date 4/20/07

Sheet 1 of 1

2. Plant Byron Nuclear Power Station  
Name  
4450 N. German Church Road, Byron, IL  
Address

Unit 02

**Work Order No. 00783827-03**  
Repair Organization, P.O. No., Job No., etc.

3. Work Performed by Westinghouse Electric  
Company LLC  
Name  
PO Box 355, Pittsburgh, PA. 15230-0355  
Address

Type Code Symbol Stamp **Not Applicable**

Authorization No. Not Applicable  
Expiration Date Not Applicable

4. Identification of System **PRESSURIZER(RY)**

5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case ~~1493-1~~, *6/25/07*  
(Vessel) 1528 - /

Applicable Construction Code (Pipe) ASME Section III 19 74 Edition, S75 Addenda, None Code Case

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda

(c) Section XI Code Case(s) (\*) N-504-2 AND N-638-1 APPROVED BY NRC, RR 13R-08

## 6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2RY01S, Safety Nozzle/DM Weld/ Safe End/SS Weld/45° Elbow	Westinghouse	PZR: 1741 Nozzle: Ht# Q2Q68W Safe End: Ht# P74S 45° Elbow: 61378-4	W13582	2RY03AB-6", 2RY01S Safety Nozzle 4B	1977	Installed	YES

7.	Description of Work	<b>STRUCTURAL WELD OVERLAY ON PRESSURIZER SAFETY NOZZLE 4B, SAFE END, NOZZLE SAFE END WELD PN-05-F5, LINE 2RY03AB-6" PIPE ELBOW, AND PIPE ELBOW TO SAFE END WELD FW124.</b>
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8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 227 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00783827-03

Applicable Manufacturer's Data Reports to be attached

(\*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] (R.R. COORDINATOR, ALTERNATE)

Date \_\_\_\_\_, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/27/07 to 6/25/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
Inspector's Signature

Commissions

111-1254  
National Board, State Province, and Endorsements

Date: June 25, 20 07

(Final)



**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 4/20/07  
4300 Winfield Road, Warrenville, IL  
 Name Address  
 Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL  
 Name Address  
**Work Order No. 00783827-04**  
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Company LLC Type Code Symbol Stamp **Not Applicable**  
PO Box 355, Pittsburgh, PA. 15230-0355  
 Name Address  
 Authorization No. **Not Applicable**  
 Expiration Date **Not Applicable**
4. Identification of System PRESSURIZER(RY)
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case ~~1403-1~~, 1528-1  
 (Vessel)  
 Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, None Code Case  
 (Pipe)  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) (\*) N-504-2 AND N-638-1 APPROVED BY NRC, RR 13R-08
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2RY01S, Safety Nozzle/DM Weld/ Safe End/SS Weld/45° Elbow	Westinghouse	PZR: 1741 Nozzle: Ht# Q2Q68W Safe End: Ht# P74S 45° Elbow: 61378-2	W13582	2RY03AC-6", 2RY01S Safety Nozzle 4C	1977	Installed	YES

7. Description of Work **STRUCTURAL WELD OVERLAY ON PRESSURIZER SAFETY NOZZLE 4C, SAFE END, NOZZLE SAFE END WELD PN-06-F6, LINE 2RY03AC-6" PIPE ELBOW, AND PIPE ELBOW TO SAFE END WELD FW125.**

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 2227 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00783827-04

Applicable Manufacturer's Data Reports to be attached

(\*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

John Smith (R.R. COORDINATOR, ACTON, MA)

Date

6/22, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/22/07 to 6/25/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

John Smith

Inspector's Signature

Commissions

ML-1254

National Board, State Province, and Endorsements

Date:

June 25, 20 07

(Final)

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                           |                                              |                              |
|----|---------------------------------------------------------------------------|-----------------------------------------------------------|----------------------------------------------|------------------------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                                     | Date                                         | <u>4/20/07</u>               |
|    |                                                                           | Name                                                      | Sheet                                        | <u>1</u> of <u>1</u>         |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>                | Unit                                         | <u>02</u>                    |
|    |                                                                           | Address                                                   | <b>Work Order No. 00783827-05</b>            |                              |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>                        | Repair Organization, P.O. No., Job No., etc. |                              |
|    |                                                                           | Name                                                      | Type Code Symbol Stamp                       | <b>Not Applicable</b>        |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>              | Authorization No.                            | <u>Not Applicable</u>        |
|    |                                                                           | Address                                                   | Expiration Date                              | <u>Not Applicable</u>        |
| 3. | Work Performed by                                                         | <u>Westinghouse Electric Company LLC</u>                  |                                              |                              |
|    |                                                                           | Name                                                      |                                              |                              |
|    |                                                                           | <u>PO Box 355, Pittsburgh, PA. 15230-0355</u>             |                                              |                              |
|    |                                                                           | Address                                                   |                                              |                              |
| 4. | Identification of System                                                  | <u>PRESSURIZER(RY)</u>                                    |                                              |                              |
| 5. | (a) Applicable Construction Code                                          | ASME Section III                                          | 19 71 Edition, S73 Addenda,                  | NB4643, Code Case            |
|    | (Vessel)                                                                  |                                                           |                                              | <del>1498-1, MC 0451-7</del> |
|    |                                                                           |                                                           |                                              | 1528 -1                      |
|    | Applicable Construction Code                                              | ASME Section III                                          | 19 74 Edition, S75 Addenda,                  | None Code Case               |
|    | (Pipe)                                                                    |                                                           |                                              |                              |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u> Edition / <u>2003</u> Addenda                 |                                              |                              |
|    | (c) Section XI Code Case(s)                                               | <u>(*) N-504-2 AND N-638-1 APPROVED BY NRC, RR 13R-08</u> |                                              |                              |
| 6. | Identification of Components                                              |                                                           |                                              |                              |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2RY01S, Relief Nozzle/DM Weld/ Safe End/SS Weld/45° Elbow	Westinghouse	PZR: 1741 Nozzle: Ht# Q2QL14QT Safe End: Ht# P74S 45° Elbow: 61177-10	W13582	2RY02A-6", 2RY01S Relief Nozzle 3	1977	Installed	YES

- |                        |                                                                                                                                                                           |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 7. Description of Work | <b>STRUCTURAL WELD OVERLAY ON PRESSURIZER RELIEF NOZZLE 3, SAFE END, NOZZLE SAFE END WELD PN-03-F3, LINE 2RY01B-6" PIPE ELBOW, AND PIPE ELBOW TO SAFE END WELD FW128.</b> |
|------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 222 psi Test Temp. 55 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00783827-05

Applicable Manufacturer's Data Reports to be attached

(\*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] (R.R. Gordon, ALTERNATE)  
Owner or Owner's Designee, Title

Date 6/22, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/22/07 to 6/25/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

111-1254  
National Board, State Province, and Endorsements

Date: June 25, 20 07

(Final)

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear  
Name  
4300 Winfield Road, Warrenville, IL

Date 4/20/07

Sheet 1 of 1

2. Plant Byron Nuclear Power Station  
Name  
4450 N. German Church Road, Byron, IL  
Address

Unit 02

**Work Order No. 00783827-06**  
Repair Organization, P.O. No., Job No., etc.

3. Work Performed by Westinghouse Electric Company LLC  
Name  
PO Box 355, Pittsburgh, PA. 15230-0355  
Address

Type Code Symbol Stamp **Not Applicable**

Authorization No. Not Applicable  
Expiration Date Not Applicable

4. Identification of System PRESSURIZER(RY)

5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case ~~1499-1~~ *6/25/07*  
(Vessel) 1528-1

Applicable Construction Code (Pipe)	ASME Section III	19 74 Edition,	S75 Addenda,	None	Code Case
----------------------------------------	------------------	----------------	--------------	------	-----------

(b) Applicable Edition of Section XI Used for Repair/Replacement Activity **2001** Edition / **2003** Addenda

(c) Section XI Code Case(s) (\*) N-504-2 AND N-638-1 APPROVED BY NRC, RR 13R-08

## 6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2RY01S, Spray Nozzle/DM Weld/Safe End/SS Weld/Reducer	Westinghouse	PZR: 1741 Nozzle: Ht# Q2Q68W Safe End: Ht# P77S Reducer: 102478-4	W13582	2RY01B-6", 2RY01S Spray Nozzle 2	1977	Installed	YES

7.	Description of Work	<b>STRUCTURAL WELD OVERLAY ON PRESSURIZER SPRAY NOZZLE 2, SAFE END, NOZZLE SAFE END WELD PN-02-F2, LINE 2RY02A-6" PIPE REDUCER, AND PIPE REDUCER TO SAFE END WELD FW123.</b>
----	---------------------	------------------------------------------------------------------------------------------------------------------------------------------------------------------------------

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 2227 psi Test Temp. 557 °F

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

**FORM NIS-2 (Back)**

9. Remarks Work Order No. 00783827-06

Applicable Manufacturer's Data Reports to be attached

(\*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed *[Signature]* Date 6/22, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/27/07 to 6/14/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

*[Signature]* Commissions 166-1A54  
Inspector's Signature National Board, State Province, and Endorsements

Date: June 26, 20 07

(Final)

DOCUMENT NO.: 4.0

REV. NO.: 0

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 4/20/07  
4300 Winfield Road, Warrenville, IL  
 Name  
 Address
2. Plant Byron Nuclear Power Station Sheet 1 of 1  
4450 N. German Church Road, Byron, IL  
 Name  
 Address
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable  
Company LLC  
 Name  
PO Box 355, Pittsburgh, PA. 15230-0355  
 Address
4. Identification of System PRESSURIZER(RY)
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case  
 (Vessel) 1499-1, 1528-1  
 Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, None Code Case  
 (Pipe)  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) (\*) N-504-2 AND N-638-1 APPROVED BY NRC, RR 13R-08
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2RY01S, Surge Nozzle/DM Weld/ Safe End/SS Weld/Pipe	Westinghouse	PZR: 1741 Nozzle: Ht# Q2QL3W Safe End: Ht# P70S Pipe: 11668	W13582	2RY11A-14", 2RY01S Surge Nozzle 1	1977	Installed	YES

7. Description of Work **STRUCTURAL WELD OVERLAY ON PRESSURIZER SURGE NOZZLE 1, SAFE END, NOZZLE SAFE END WELD PN-01-F1, LINE 2RY11A-14" PIPE, AND PIPE TO SAFE END WELD FW43A.**

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 2227 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00783827-07

Applicable Manufacturer's Data Reports to be attached

(\*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] (NRC Coordinator, ACTON 1155)  
Owner or Owner's Designee, Title

Date 6/22, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/27/07 to 6/15/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]

Inspector's Signature

Commissions

122-1254

National Board, State Province, and Endorsements

Date:

June 25, 20 07

(Final)



1.	Owner	<u>Exelon Nuclear</u>	Date	<u>4/15/07</u>
		Name		
		<u>4300 Winfield Road, Warrenville, IL</u>	Sheet	<u>1</u> of <u>1</u>
		Address		
2.	Plant	<u>Byron Nuclear Power Station</u>	Unit	<u>02</u>
		Name		
		<u>4450 N. German Church Road, Byron, IL</u>	<b>Work Order No. 00886405-01</b>	
		Address	Repair Organization, P.O. No., Job No., etc.	
3.	Work Performed by	<u>N P S &amp; W VENTURE</u>	Type Code Symbol Stamp	<u>Not Applicable</u>
		Name	Authorization No.	<u>Not Applicable</u>
		<u>36400 S. Essex Road, Wilmington, IL 60481</u>	Expiration Date	<u>Not Applicable</u>
		Address		
4.	Identification of System	<u>PRESSURIZER - RY</u>		
5.	(a) Applicable Construction Code	ASME Section III 19 71 Edition, W72 Addenda, 1649, Code Case 1501		
	(b) Applicable Edition of Section XI Used for Repair/Replacement Activity	<u>2001</u> Edition / <u>2003</u> Addenda		
	(c) Section XI Code Case(s)	<u>NONE</u>		
6.	Identification of Components			

[illegible]

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
VT-1 bolting Other ☒ Pressure 2227 psi Test Temp. 557 °F  
VT-3 Internal surfaces

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

FORM NIS-2 (Back)

9. Remarks WORK ORDER 00886405-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] SA RRR Carol  
Owner or Owner's Designee, Title

Date 6/19, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 12/19/06 to 6/19/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

166-1A54

National Board, State Province, and Endorsements

Date: June 20, 20 07

1.	Owner	<u>Exelon Nuclear</u>	Date	<u>4/13/07</u>
		Name		
		<u>4300 Winfield Road, Warrenville, IL</u>	Sheet	<u>1</u> of <u>1</u>
		Address		
2.	Plant	<u>Byron Nuclear Power Station</u>	Unit	<u>02</u>
		Name		
		<u>4450 N. German Church Road, Byron, IL</u>	<b>Work Order No. 00555105-01</b>	
		Address	Repair Organization, P.O. No., Job No., etc.	
3.	Work Performed by	<u>Shaw/Stone &amp; Webster</u>	Type Code Symbol Stamp	<u>Not Applicable</u>
		Name	Authorization No.	<u>Not Applicable</u>
		<u>36400 S. Essex Road, Wilmington, IL 60481</u>	Expiration Date	<u>Not Applicable</u>
		Address		
4.	Identification of System	<u><b>SAFETY INJECTION</b></u>		
5.	(a) Applicable Construction Code	ASME Section III 19 71 Edition, W72 Addenda, 1501, Code Case 1649		
	(b) Applicable Edition of Section XI Used for Repair/Replacement Activity	<u>2001</u>	Edition / <u>2003</u> Addenda	
	(c) Section XI Code Case(s)	<u>NONE</u>		
6.	Identification of Components			

[illegible]

7. Description of Work REPLACE RELIEF VALVE PER PM PROGRAM

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 17.5 psi Test Temp. 83 °F

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

FORM NIS-2 (Back)

9. Remarks WO# 00555105-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]  
Owner or Owner's Designee, Title

Date 6/13, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 6/16/06 to 6/19/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions 166-1254  
National Board, State Province, and Endorsements

Date: June 19, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 04/07/07  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL **Work Order No. 00812973-07**  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
36400 S. Essex Road, Wilmington, IL 60481 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
END BELL FTG	Chicago Bridge & Iron	MK# 2257-45A 2PC-92	N/A	2SI06AA-24" P-SI-48-1	1976	Removed	NO
SUCTION PIPE COLLAR	Control Components Inc	HT#: 52876	N/A	2SI06AA-24" P-SI-48-1	2006	Installed	NO

7. Description of Work REMOVED END BELL AND INSTALLED SUCTION PIPE COLLAR PER EC 356569.  
(SUCTION PIPE COLLAR IS NON-PRESSURE RETAINING AND IS NOT A CODE ITEM)
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
 Other ☐ Pressure N/A psi Test Temp. N/A °F

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

FORM NIS-2 (Back)

9. Remarks WO# 00812973-07

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]  
Owner or Owner's Designee, Title

Date 5/8, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/22/07 to 5/8/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

121-1254  
National Board, State Province, and Endorsements

Date: May 9, 20 07

(Final)

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 04/07/07  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL **Work Order No. 00812973-07**  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
36400 S. Essex Road, Wilmington, IL 60481 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
24" SUCTION PIPE OD BUILD-UP	Chicago Bridge & Iron	MK# 2257-46A 2PC-92	N/A	2SI06AA-24" P-SI-48-1	1976	Installed	NO

7. Description of Work WELD BUILD-UP OF SUCTION PIPE PER EC 356569.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☒  
 Other ☐ Pressure N/A psi Test Temp. N/A °F

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

**FORM NIS-2 (Back)**

9. Remarks WO# 00812973-07

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] RRR Cook  
Owner or Owner's Designee, Title

Date 5/8, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/5/07 to 5/9/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

122-1254  
National Board, State Province, and Endorsements

Date: MAY 9, 20 07

(Final)



**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                          |                        |                       |
|----|---------------------------------------------------------------------------|----------------------------------------------------------|------------------------|-----------------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                                    | Date                   | <u>04/07/07</u>       |
|    |                                                                           | Name                                                     |                        |                       |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>               | Sheet                  | <u>1</u> of <u>1</u>  |
|    |                                                                           | Address                                                  |                        |                       |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>                       | Unit                   | <u>02</u>             |
|    |                                                                           | Name                                                     |                        |                       |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>             |                        |                       |
|    |                                                                           | Address                                                  |                        |                       |
| 3. | Work Performed by                                                         | <u>Shaw/Stone &amp; Webster</u>                          | Type Code Symbol Stamp | <u>Not Applicable</u> |
|    |                                                                           | Name                                                     | Authorization No.      | <u>Not Applicable</u> |
|    |                                                                           | <u>36400 S. Essex Road, Wilmington, IL 60481</u>         | Expiration Date        | <u>Not Applicable</u> |
|    |                                                                           | Address                                                  |                        |                       |
| 4. | Identification of System                                                  | <u>SAFETY INJECTION</u>                                  |                        |                       |
| 5. | (a) Applicable Construction Code                                          | <u>ASME Section III 19 74 Edition, S75 Addenda, NONE</u> | Code Case              |                       |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u>                                              | Edition /              | <u>2003</u> Addenda   |
|    | (c) Section XI Code Case(s)                                               | <u>NONE</u>                                              |                        |                       |
| 6. | Identification of Components                                              |                                                          |                        |                       |

[illegible]

- |    |                                                                                                                                                                         |                                      |                                    |                                                     |                                            |            |     |    |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|------------------------------------|-----------------------------------------------------|--------------------------------------------|------------|-----|----|
| 7. | Description of Work <u>REMOVE END BELL AND INSTALL SECTION PIPE COLLAR PER EC 356659</u><br><u>SECTION PIPE COLLAR IS NON-PRESSURE RETAINING AND IS A NON-CODE ITEM</u> |                                      |                                    |                                                     |                                            |            |     |    |
| 8. | Test Conducted:                                                                                                                                                         | Hydrostatic <input type="checkbox"/> | Pneumatic <input type="checkbox"/> | Nominal Operating Pressure <input type="checkbox"/> | Exempt <input checked="" type="checkbox"/> |            |     |    |
|    |                                                                                                                                                                         | Other <input type="checkbox"/>       | Pressure                           | N/A                                                 | psi                                        | Test Temp. | N/A | °F |

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

**FORM NIS-2 (Back)**

9. Remarks WO# 00812973-12

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR. Card Date 5/8, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/11/07 to 5/9/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 166-1154  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 9, 20 07

(Final)



**FORM NIS-2 (Back)**

9. Remarks WO# 00812973-12

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]

RRR Coord

Owner or Owner's Designee, Title

Date

5/8

, 20

07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/5/07 to 5/4/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

ML-1A54

National Board, State Province, and Endorsements

Date:

May 9

, 20

07

(Final)

DOCUMENT NO.: 3.2

REV. NO.: 0

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Exelon Nuclear Date 4-11-07  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL Work Order No. 00873148-01  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
36400 S. Essex Road, Wilmington, IL 60481 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SI - SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1644 Rev. 7,  
1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 Code Case
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
- (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Snubber PSA -1/2	Pacific Scientific	13329	N/A	2SI13027S	1981	Removed	YES
Snubber Lisega 3018	Lisega	30600272/005	N/A	2SI13027S	2006	Installed	NO

7. Description of Work REPLACED SNUBBER

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ Exempt ☐  
VT-3 Other ☒ Pressure                      psi Test Temp.                      °F

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

**FORM NIS-2 (Back)**

9. Remarks 00873148-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed *Scott E. Spratt* Date 4-25, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period

4/11/07 to 4/11/07, and state that to the best of my knowledge and belief,

the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

*[Signature]*

Inspector's Signature

Commissions IL 1546

National Board, State Province, and  
Endorsements

Date: 4/26, 20 07

(Final)

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear  
Name  
4300 Winfield Road, Warrenville, IL  
Address

Date 4/16/07

Sheet 1 of 1

2. Plant Byron Nuclear Power Station  
Name  
4450 N. German Church Road, Byron, IL  
Address

Unit 02

**Work Order No. 00967596-01/03**  
Repair Organization, P.O. No., Job No., etc.

3. Work Performed by Byron Mechanical  
Maintenance  
Name  
4450 N. German Church Road, Byron, IL  
Address

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable  
Expiration Date Not Applicable

4. Identification of System SI - SAFETY INJECTION 1986 Edition 1987 Addenda (Valve)

5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case

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

(c) Section XI Code Case(s) NONE

6. Identification of Components

[illegible]

7.	Description of Work	install vent valve/pipe spool on si supply header 2si01-24" per ec# 362649
----	---------------------	----------------------------------------------------------------------------

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 30 psi Test Temp. 80 °F

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

FORM NIS-2 (Back)

9. Remarks 00967596-01/03

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]  
Owner or Owner's Designee, Title

Date 5/17, 20 07

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3-14-07 to 5-18-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

166-1854

National Board, State Province, and Endorsements

Date: May 18, 20 07



1.	Owner	<u>Exelon Nuclear</u>	Date	<u>4/16/07</u>
		Name		
		<u>4300 Winfield Road, Warrenville, IL</u>	Sheet	<u>1</u> of <u>1</u>
		Address		
2.	Plant	<u>Byron Nuclear Power Station</u>	Unit	<u>02</u>
		Name		
		<u>4450 N. German Church Road, Byron, IL</u>	<b>Work Order No. 00967596-02/03</b>	
		Address	<u>Repair Organization, P.O. No., Job No., etc.</u>	
3.	Work Performed by	<u>Byron Mechanical Maintenance</u>	Type Code Symbol Stamp	<u>Not Applicable</u>
		Name		
		<u>4450 N. German Church Road, Byron, IL</u>	Authorization No.	<u>Not Applicable</u>
		Address	Expiration Date	<u>Not Applicable</u>
4.	Identification of System	<u>SI – SAFETY INJECTION</u>		
		1986 Edition, 1987 Addenda (Valve)		
5.	(a) Applicable Construction Code	<u>ASME Section III</u>	19 <u>74</u> Edition,	<u>S75</u> Addenda, <u>NONE</u> Code Case
	(b) Applicable Edition of Section XI Used for Repair/Replacement Activity:	<u>2001 Edition/2003 Addenda</u>		
	(c) Section XI Code Case(s)	<u>NONE</u>		
6.	Identification of Components			

[illegible]

- |    |                     |                                                                            |                          |           |                          |                            |                                     |        |                          |
|----|---------------------|----------------------------------------------------------------------------|--------------------------|-----------|--------------------------|----------------------------|-------------------------------------|--------|--------------------------|
| 7. | Description of Work | Install vent valve/pipe spool on SI supply header 2SI01b-2" per EC# 362649 |                          |           |                          |                            |                                     |        |                          |
| 8. | Test Conducted:     | Hydrostatic                                                                | <input type="checkbox"/> | Pneumatic | <input type="checkbox"/> | Nominal Operating Pressure | <input checked="" type="checkbox"/> | Exempt | <input type="checkbox"/> |
|    |                     | Other                                                                      | <input type="checkbox"/> | Pressure  | 30                       | psi                        | Test Temp.                          | 80     | °F                       |

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

**FORM NIS-2 (Back)**

9. Remarks 00967596-02/03

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] RRR Card  
Owner or Owner's Designee, Title

Date 5/17, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3.14.07 to 5.18.07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
Inspector's Signature

Commissions

166-1254  
National Board, State Province, and Endorsements

Date: May 18, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                  |                                              |                                           |
|----|---------------------------------------------------------------------------|--------------------------------------------------|----------------------------------------------|-------------------------------------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                            | Date                                         | <u>4/13/07</u>                            |
|    |                                                                           | Name                                             |                                              |                                           |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>       | Sheet                                        | <u>1</u> of <u>1</u>                      |
|    |                                                                           | Address                                          |                                              |                                           |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>               | Unit                                         | <u>02</u>                                 |
|    |                                                                           | Name                                             |                                              |                                           |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>     |                                              |                                           |
|    |                                                                           | Address                                          |                                              |                                           |
|    |                                                                           |                                                  | <u>Work Order No. 00971151-01</u>            |                                           |
|    |                                                                           |                                                  | Repair Organization, P.O. No., Job No., etc. |                                           |
| 3. | Work Performed by                                                         | <u>Shaw/Stone &amp; Webster</u>                  | Type Code Symbol Stamp                       | <u>Not Applicable</u>                     |
|    |                                                                           | Name                                             | Authorization No.                            | <u>Not Applicable</u>                     |
|    |                                                                           | <u>36400 S. Essex Road, Wilmington, IL 60481</u> | Expiration Date                              | <u>Not Applicable</u>                     |
|    |                                                                           | Address                                          |                                              |                                           |
| 4. | Identification of System                                                  | <u>SAFETY INJECTION – (SI)</u>                   |                                              |                                           |
| 5. | (a) Applicable Construction Code                                          | <u>ASME Section III</u>                          | <u>19 74</u> Edition,                        | <u>S75</u> Addenda, <u>None</u> Code Case |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u>                                      | Edition /                                    | <u>2003</u> Addenda                       |
|    | (c) Section XI Code Case(s)                                               | <u>NONE</u>                                      |                                              |                                           |
| 6. | Identification of Components                                              |                                                  |                                              |                                           |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPES -VULCAN	11685	1877	2SI8810A	1978	Removed	YES
VALVE BONNET	SPX VALVES & CONTROLS	0623 ✓ HT#243312	N/A	2SI8810A	2007	Installed	YES
VALVE PLUG	COPES -VULCAN	78-11	1877	2SI8810A	1978	Removed	NO
VALVE PLUG	SPX VALVES & CONTROLS	0613 ✓ HT# 74963	N/A	2SI8810A	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	27672	N/A	2SI04MA	1979	Removed	NO
ORIFICE PLATE	ENERGY STEEL & SUPPLY	HT#877945 ✓	N/A	2SI04MA	2007	Installed	NO

- |    |                     |                                                                        |                                    |                                                                |                                 |    |  |
|----|---------------------|------------------------------------------------------------------------|------------------------------------|----------------------------------------------------------------|---------------------------------|----|--|
| 7. | Description of Work | INSTALL NEW VALVE TRIM (BONNET AND PLUG) AND DOWNSTREAM ORIFICE PLATE. |                                    |                                                                |                                 |    |  |
| 8. | Test Conducted:     | Hydrostatic <input type="checkbox"/>                                   | Pneumatic <input type="checkbox"/> | Nominal Operating Pressure <input checked="" type="checkbox"/> | Exempt <input type="checkbox"/> |    |  |
|    |                     | Other <input type="checkbox"/>                                         | Pressure 2235                      | psi                                                            | Test Temp. AMBIENT              | °F |  |

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971151-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]  
Owner or Owner's Designee, Title

Date 6/4, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/29/07 to 6/4/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]  
Inspector's Signature

Commissions 12L-1A54  
National Board, State Province, and Endorsements

Date: June 4, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                                    |                                              |                       |
|----|---------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------|-----------------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                                              | Date                                         | <u>4/13/07</u>        |
|    |                                                                           | Name                                                               |                                              |                       |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>                         | Sheet                                        | <u>1</u> of <u>1</u>  |
|    |                                                                           | Address                                                            |                                              |                       |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>                                 | Unit                                         | <u>02</u>             |
|    |                                                                           | Name                                                               |                                              |                       |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>                       | <b>Work Order No. 00971152-01</b>            |                       |
|    |                                                                           | Address                                                            | Repair Organization, P.O. No., Job No., etc. |                       |
| 3. | Work Performed by                                                         | <u>Shaw/Stone &amp; Webster</u>                                    | Type Code Symbol Stamp                       | <u>Not Applicable</u> |
|    |                                                                           | Name                                                               | Authorization No.                            | <u>Not Applicable</u> |
|    |                                                                           | <u>36400 S. Essex Road, Wilmington, IL 60481</u>                   | Expiration Date                              | <u>Not Applicable</u> |
|    |                                                                           | Address                                                            |                                              |                       |
| 4. | Identification of System                                                  | <u>SAFETY INJECTION (SI)</u>                                       |                                              |                       |
| 5. | (a) Applicable Construction Code                                          | <u>ASME Section III 19 74 Edition, S75 Addenda, None</u> Code Case |                                              |                       |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u> Edition / <u>2003</u> Addenda                          |                                              |                       |
|    | (c) Section XI Code Case(s)                                               | <u>NONE</u>                                                        |                                              |                       |
| 6. | Identification of Components                                              |                                                                    |                                              |                       |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPEES -VULCAN	11687	1880	2SI8810B	1978	Removed	YES
VALVE BONNET	SPX VALVES & CONTROLS	0625 HT#243312	N/A	2SI8810B	2007	Installed	YES
VALVE PLUG	COPEES -VULCAN	78-9	1880	2SI8810B	1978	Removed	NO
VALVE PLUG	SPX VALVES & CONTROLS	0615 HT#74963	N/A	2SI8810B	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	27672	N/A	2SI04MB	1979	Removed	NO
ORIFICE PLATE	ENERGY STEEL & SUPPLY	HT#877945	N/A	2SI04MB	2007	Installed	NO

- |    |                     |                                                                      |                                    |                            |                                     |         |                          |
|----|---------------------|----------------------------------------------------------------------|------------------------------------|----------------------------|-------------------------------------|---------|--------------------------|
| 7. | Description of Work | INSTALL NEW VALVE TRIM (BONNET & PLUG) AND DOWNSTREAM ORIFICE PLATE. |                                    |                            |                                     |         |                          |
| 8. | Test Conducted:     | Hydrostatic <input type="checkbox"/>                                 | Pneumatic <input type="checkbox"/> | Nominal Operating Pressure | <input checked="" type="checkbox"/> | Exempt  | <input type="checkbox"/> |
|    |                     | Other <input type="checkbox"/>                                       | Pressure                           | 2235 psi                   | Test Temp.                          | AMBIENT | °F                       |

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971152-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]

RRR Coord

Date 6/4, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/30/07 to 6/4/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]

Inspector's Signature

Commissions

ILL-1254

National Board, State Province, and Endorsements

Date: June 4, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                                    |                        |                                              |             |
|----|---------------------------------------------------------------------------|--------------------------------------------------------------------|------------------------|----------------------------------------------|-------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                                              | Date                   | <u>4/13/07</u>                               |             |
|    |                                                                           | Name                                                               |                        |                                              |             |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>                         | Sheet                  | <u>1</u>                                     | of <u>1</u> |
|    |                                                                           | Address                                                            |                        |                                              |             |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>                                 | Unit                   | <u>02</u>                                    |             |
|    |                                                                           | Name                                                               |                        |                                              |             |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>                       | Work Order No.         | <u>00971154-01</u>                           |             |
|    |                                                                           | Address                                                            |                        | Repair Organization, P.O. No., Job No., etc. |             |
| 3. | Work Performed by                                                         | <u>Shaw/Stone &amp; Webster</u>                                    | Type Code Symbol Stamp | <u>Not Applicable</u>                        |             |
|    |                                                                           | Name                                                               | Authorization No.      | <u>Not Applicable</u>                        |             |
|    |                                                                           | <u>36400 S. Essex Road, Wilmington, IL 60481</u>                   | Expiration Date        | <u>Not Applicable</u>                        |             |
|    |                                                                           | Address                                                            |                        |                                              |             |
| 4. | Identification of System                                                  | <u>SI – SAFETY INJECTION</u>                                       |                        |                                              |             |
| 5. | (a) Applicable Construction Code                                          | <u>ASME Section III 19 74 Edition, S75 Addenda, NONE</u> Code Case |                        |                                              |             |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u> Edition / <u>2003</u> Addenda                          |                        |                                              |             |
|    | (c) Section XI Code Case(s)                                               | <u>NONE</u>                                                        |                        |                                              |             |
| 6. | Identification of Components                                              |                                                                    |                        |                                              |             |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPESE -VULCAN	11554	1879	2SI8810C	1978	Removed	YES
VALVE BONNET	SPX VALVES & CONTROLS	0615 HT#243312	N/A	2SI8810C	2007	Installed	YES
VALVE PLUG	COPESE -VULCAN	78-12	1879	2SI8810C	1978	Removed	NO
VALVE PLUG	SPX VALVES & CONTROLS	0616 HT#74963	N/A	2SI8810C	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	27672	N/A	2SI04MC	1979	Removed	NO
ORIFICE PLATE	ENERGY STEEL & SUPPLY	HT#877945	N/A	2SI04MC	2007	Installed	NO

- |    |                     |                                                               |                                    |                                                                |                                 |    |
|----|---------------------|---------------------------------------------------------------|------------------------------------|----------------------------------------------------------------|---------------------------------|----|
| 7. | Description of Work | INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE. |                                    |                                                                |                                 |    |
| 8. | Test Conducted:     | Hydrostatic <input type="checkbox"/>                          | Pneumatic <input type="checkbox"/> | Nominal Operating Pressure <input checked="" type="checkbox"/> | Exempt <input type="checkbox"/> |    |
|    |                     | Other <input type="checkbox"/>                                | Pressure 2235                      | psi                                                            | Test Temp. AMBIENT              | °F |

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971154-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] RRR Creed

Date 6/4, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/30/07 to 6/4/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature]

Inspector's Signature

Commissions

ILL-1254

National Board, State Province, and Endorsements

Date: June 4, 20 07



**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                                    |                                              |                       |
|----|---------------------------------------------------------------------------|--------------------------------------------------------------------|----------------------------------------------|-----------------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                                              | Date                                         | <u>4/13/07</u>        |
|    |                                                                           | Name                                                               |                                              |                       |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>                         | Sheet                                        | <u>1</u> of <u>1</u>  |
|    |                                                                           | Address                                                            |                                              |                       |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>                                 | Unit                                         | <u>02</u>             |
|    |                                                                           | Name                                                               |                                              |                       |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>                       | <b>Work Order No. 00971157-01</b>            |                       |
|    |                                                                           | Address                                                            | Repair Organization, P.O. No., Job No., etc. |                       |
| 3. | Work Performed by                                                         | <u>Shaw/Stone &amp; Webster</u>                                    | Type Code Symbol Stamp                       | <u>Not Applicable</u> |
|    |                                                                           | Name                                                               | Authorization No.                            | <u>Not Applicable</u> |
|    |                                                                           | <u>36400 S. Essex Road, Wilmington, IL 60481</u>                   | Expiration Date                              | <u>Not Applicable</u> |
|    |                                                                           | Address                                                            |                                              |                       |
| 4. | Identification of System                                                  | <u>SI – SAFETY INJECTION</u>                                       |                                              |                       |
| 5. | (a) Applicable Construction Code                                          | <u>ASME Section III 19 74 Edition, S75 Addenda, NONE</u> Code Case |                                              |                       |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u> Edition / <u>2003</u> Addenda                          |                                              |                       |
|    | (c) Section XI Code Case(s)                                               | <u>NONE</u>                                                        |                                              |                       |
| 6. | Identification of Components                                              |                                                                    |                                              |                       |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPEES -VULCAN	11686	1878	2SI8810D	1978	Removed	YES
VALVE BONNET	SPX VALVES & CONTROLS	0611 ✓ HT#243312	N/A	2SI8810D	2007	Installed	YES
VALVE PLUG	COPEES -VULCAN	78-5	1878	2SI8810D	1978	Removed	NO
VALVE PLUG	SPX VALVES & CONTROLS	0620 ✓ HT#74963	N/A	2SI8810D	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	27672	N/A	2SI04MD	1979	Removed	NO
ORIFICE PLATE	ENERGY STEEL & SUPPLY	HT#877945 ✓	N/A	2SI04MD	2007	Installed	NO

- |    |                     |                                                              |
|----|---------------------|--------------------------------------------------------------|
| 7. | Description of Work | INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE |
|----|---------------------|--------------------------------------------------------------|

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 2235 psi Test Temp. AMBIENT °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971157-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]  
Owner, or Owner's Designee, Title

Date 6/4, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/30/07 to 6/4/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

1LL-1854  
National Board, State Province, and Endorsements

Date: June 4, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                           |                                                  |                        |                                              |
|----|---------------------------------------------------------------------------|--------------------------------------------------|------------------------|----------------------------------------------|
| 1. | Owner                                                                     | <u>Exelon Nuclear</u>                            | Date                   | <u>04/13/07</u>                              |
|    |                                                                           | Name                                             |                        |                                              |
|    |                                                                           | <u>4300 Winfield Road, Warrenville, IL</u>       | Sheet                  | <u>1</u> of <u>1</u>                         |
|    |                                                                           | Address                                          |                        |                                              |
| 2. | Plant                                                                     | <u>Byron Nuclear Power Station</u>               | Unit                   | <u>02</u>                                    |
|    |                                                                           | Name                                             |                        |                                              |
|    |                                                                           | <u>4450 N. German Church Road, Byron, IL</u>     | Work Order No.         | <u>00971167-01</u>                           |
|    |                                                                           | Address                                          |                        | Repair Organization, P.O. No., Job No., etc. |
| 3. | Work Performed by                                                         | <u>SHAW/STONE &amp; WEBSTER</u>                  | Type Code Symbol Stamp | <u>Not Applicable</u>                        |
|    |                                                                           | Name                                             | Authorization No.      | <u>Not Applicable</u>                        |
|    |                                                                           | <u>36400 S. Essex Road, Wilmington, IL 60481</u> | Expiration Date        | <u>Not Applicable</u>                        |
|    |                                                                           | Address                                          |                        |                                              |
| 4. | Identification of System                                                  | <u>SI - SAFETY INJECTION</u>                     |                        |                                              |
| 5. | (a) Applicable Construction Code                                          | <u>ASME Section III</u>                          | <u>19 74</u> Edition,  | <u>S75</u> Addenda, <u>None</u> Code Case    |
|    | (b) Applicable Edition of Section XI Used for Repair/Replacement Activity | <u>2001</u>                                      | Edition /              | <u>2003</u> Addenda                          |
|    | (c) Section XI Code Case(s)                                               | <u>NONE</u>                                      |                        |                                              |
| 6. | Identification of Components                                              |                                                  |                        |                                              |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPEES - VULCAN	11718	1857	2SI8816A	1978	Removed	YES
VALVE BONNET	SPX VALVES & CONTROLS	0619 HT# 243312	N/A	2SI8816A	2007	Installed	YES
VALVE PLUG	COPEES - VULCAN	78-21	1857	2SI8816A	1978	Removed	NO
VALVE PLUG	SPX VALVES & CONTROLS	0605 HT# 534243	N/A	2SI8816A	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PROD.	270356	N/A	2SI05MA	1977	Removed	NO
ORIFICE PLATE	ENERGY STEEL & SUPPLY	HT# 69X7 CODE L33	N/A	2SI05MA	2007	Installed	NO

- |    |                     |                                                              |
|----|---------------------|--------------------------------------------------------------|
| 7. | Description of Work | INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE |
|----|---------------------|--------------------------------------------------------------|

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
Other ☐ Pressure 800 psi Test Temp. Ambient °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971167-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Card Date 5/10, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/30/07 to 5/10/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 122-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 10, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 4/13/07  
4300 Winfield Road, Warrenville, IL  
 Name  
 Address
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL  
 Name  
 Address
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
36400 S. Essex Road, Wilmington, IL 60481 Authorization No. Not Applicable  
 Address Expiration Date Not Applicable
4. Identification of System SI - SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPES -VULCAN	11551	1859	2SI8816B	1978	Removed	YES
VALVE BONNET	SPX Valves & Controls	0620 HT#243312	N/A	2SI8816B	2007	Installed	YES
VALVE PLUG	COPES -VULCAN	78-5	1859	2SI8816B	1978	Removed	NO
VALVE PLUG	SPX Valves & Controls	0603 HT#534243	N/A	2SI8816B	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PROD.	270356	N/A	2SI05MB	1977	Removed	NO
ORIFICE PLATE	Energy Steel & Supply	HT#69X7 Code L33	N/A	2SI05MB	2007	Installed	NO

7. Description of Work INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 858 psi Test Temp. 83 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971169-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 5/18, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/31/07 to 5/21/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 126-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 21, 20 07

# **FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY** **As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 04/13/07  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL **Work Order No. 00971171-01**  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
36400 S. Essex Road, Wilmington, IL 60481 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SI - SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPEES - VULCAN	11713	1863	2SI8816C	1978	Removed	YES
VALVE BONNET	SPX VALVES & CONTROLS	0616 HT#243312	N/A	2SI8816C	2007	Installed	YES
VALVE PLUG	COPEES - VULCAN	78-34	1863	2SI8816C	1978	Removed	NO
VALVE PLUG	SPX VALVES & CONTROLS	0602 HT#534243	N/A	2SI8816C	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	270356	N/A	2SI05MC	1977	Removed	NO
ORIFICE PLATE	ENERGY STEEL & SUPPLY	HT# 69X7 Code L33	N/A	2SI05MC	2007	Installed	NO

7. Description of Work INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 858 psi Test Temp. 83 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971171-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] SMG RRR Coord Date 5/18, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/30/07 to 5/21/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 122-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 21, 20 07





FORM NIS-2 (Back)

9. Remarks Work Order No. 00971172-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature]

Owner or Owner's Designee, Title

RRR Coord

Date

5/10, 20 07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/30/07 to 5/10/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]

Inspector's Signature

Commissions

126-1254

National Board, State Province, and Endorsements

Date:

May 10, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 4/13/07  
     4300 Winfield Road, Warrenville, IL  
     Name  
     Address  
     Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
     4450 N. German Church Road, Byron, IL  
     Name  
     Address  
     Work Order No. 00971174-01  
     Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
     36400 S. Essex Road, Wilmington, IL 60481  
     Name  
     Address  
     Authorization No. Not Applicable  
     Expiration Date Not Applicable
4. Identification of System SI - SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPEX -VULCAN	11583	1867	2SI8822A	1978	Removed	YES
VALVE BONNET	SPX Valves & Controls	0618 HT# 243312	N/A	2SI8822A	2007	Installed	YES
VALVE PLUG	COPEX -VULCAN	78-38	1867	2SI8822A	1978	Removed	NO
VALVE PLUG	SPX Valves & Controls	0606 HT# 74963	N/A	2SI8822A	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	270356	N/A	2SI06MA	1977	Removed	NO
ORIFICE PLATE	Energy Steel & Supply	HT# 69X7 Code L33	N/A	2SI06MA	2007	Installed	NO

7. Description of Work INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 861 psi Test Temp. 83 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971174-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 5/18, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/31/07 to 5/21/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions ILL-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 21, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 4/13/07  
4300 Winfield Road, Warrenville, IL  
 Name  
 Address
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL  
 Name  
 Address
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
36400 S. Essex Road, Wilmington, IL 60481  
 Name  
 Address
4. Identification of System SI-SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPES - VULCAN	11703	1868	2SI8822B	1978	Removed	YES
VALVE BONNET	SPX Valves & Controls	0610 HT# 243312	N/A	2SI8822B	2007	Installed	YES
VALVE PLUG	COPES - VULCAN	78-41	1868	2SI8822B	1978	Removed	NO
VALVE PLUG	SPX Valves & Controls	0605 HT# 74963	N/A	2SI8822B	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PROD.	270356	N/A	2SI06MB	1977	Removed	NO
ORIFICE PLATE	Energy Steel & Supply	HT# 69X7 Code: L33	N/A	2SI06MB	2007	Installed	NO

7. Description of Work INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 861 psi Test Temp. 83 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971175-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 5/21, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/31/07 to 5/21/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 166-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 21, 20 07

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 4/12/07  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
4450 N. German Church Road, Byron, IL Work Order No. 00971178-01  
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
36400 S. Essex Road, Wilmington, IL 60481 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SI - SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPES - VULCAN	11714	1869	2SI8822C	1978	Removed	YES
VALVE BONNET	SPX Valves & Controls	0614 HT# 243312	N/A	2SI8822C	2007	Installed	YES
VALVE PLUG	COPES - VULCAN	78-44	1869	2SI8822C	1978	Removed	NO
VALVE PLUG	SPX Valves & Controls	0604 HT# 74963	N/A	2SI8822C	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	270356	N/A	2SI06MC	1977	Removed	NO
ORIFICE PLATE	Energy Steel & Supply	HT# 69X7 Code L33	N/A	2SI06MC	2007	Installed	NO

7. Description of Work INSTALL NEW VALVE BONNET & PLUG AND DOWNSTREAM ORIFICE PLATE

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 861 psi Test Temp. 83 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971178-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Card Date 5/21, 20 07

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/31/07 to 5/21/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions ILL-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: MAY 21, 20 07



**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY**  
**As Required by the Provisions of the ASME Code Section XI**

- |    |                                                                                                                                                                                                                                                                      |                                                                                                                                       |
|----|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| 1. | Owner <u>Exelon Nuclear</u><br>Name<br><u>4300 Winfield Road, Warrenville, IL</u><br>Address                                                                                                                                                                         | Date <u>4/13/07</u>                                                                                                                   |
| 2. | Plant <u>Byron Nuclear Power Station</u><br>Name<br><u>4450 N. German Church Road, Byron, IL</u><br>Address                                                                                                                                                          | Sheet <u>1</u> of <u>1</u><br>Unit <u>02</u><br><br><u>Work Order No. 00971179-01</u><br>Repair Organization, P.O. No., Job No., etc. |
| 3. | Work Performed by <u>Shaw/Stone &amp; Webster</u><br>Name<br><u>36400 S. Essex Road, Wilmington, IL 60481</u><br>Address                                                                                                                                             | Type Code Symbol Stamp <u>Not Applicable</u><br>Authorization No. <u>Not Applicable</u><br>Expiration Date <u>Not Applicable</u>      |
| 4. | Identification of System <u>SI-SAFETY INJECTION</u>                                                                                                                                                                                                                  |                                                                                                                                       |
| 5. | (a) Applicable Construction Code <u>ASME Section III 1974 Edition, S75 Addenda, NONE</u> Code Case<br>(b) Applicable Edition of Section XI Used for Repair/Replacement Activity <u>2001</u> Edition / <u>2003</u> Addenda<br>(c) Section XI Code Case(s) <u>NONE</u> |                                                                                                                                       |
| 6. | Identification of Components                                                                                                                                                                                                                                         |                                                                                                                                       |

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BONNET	COPEES - VULCAN	11564	1870	2SI8822D	1978	Removed	YES
VALVE BONNET	SPX Valves & Controls	0617 HT# 243312	N/A	2SI8822D	2007	Installed	YES
VALVE PLUG	COPEES - VULCAN	78-36	1870	2SI8822D	1978	Removed	NO
VALVE PLUG	SPX Valves & Controls	0607 HT# 74963	N/A	2SI8822D	2007	Installed	YES
ORIFICE PLATE	PRECISION FLOW PRODUCTS	270356	N/A	2SI06MD	1977	Removed	NO
ORIFICE PLATE	Energy Steel & Supply	HT# 69X7 Code: L33	N/A	2SI06MD	2007	Installed	NO

- |    |                     |                                                     |                                    |                                                                |                                 |    |  |
|----|---------------------|-----------------------------------------------------|------------------------------------|----------------------------------------------------------------|---------------------------------|----|--|
| 7. | Description of Work | INSTALL NEW VALVE TRIM AND DOWNSTREAM ORIFICE PLATE |                                    |                                                                |                                 |    |  |
| 8. | Test Conducted:     | Hydrostatic <input type="checkbox"/>                | Pneumatic <input type="checkbox"/> | Nominal Operating Pressure <input checked="" type="checkbox"/> | Exempt <input type="checkbox"/> |    |  |
|    |                     | Other <input type="checkbox"/>                      | Pressure 861                       | psi                                                            | Test Temp. 83                   | °F |  |

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00971179-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Card Date 5/21, 20 07  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/31/07 to 5/21/07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions ILL-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 21, 20 07

Document No.: 11.0

Revision No.: 0

## FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY

As Required by the Provisions of the ASME Code Section XI

1. Owner Exelon Nuclear Date 04/14/07  
 Name  
4300 Winfield Road, Warrenville, IL  
 Address
2. Plant Byron Nuclear Power Station Unit 02  
 Name  
4450 N. German Church Road, Byron, IL  
 Address
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
 Name  
36400 S. Essex Road, Wilmington, IL 60481  
 Address
4. Identification of System ESSENTIAL SERVICE WATER ( SX )
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, 1702, 1773 Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Butterfly Valve	Jamesbury	ND-48858-12B	N/A	2SX143B	1978	REMOVED	YES
Butterfly Valve	ENERTECH	11537	N/A	2SX143B	2007	INSTALLED	YES

7. Description of Work REPLACE VALVE 2SX143B
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 102 psi Test Temp. 67 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00503439 - 01 Document No.: 11.0  
Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] Date 5/15, 20 07  
[Signature] Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5-17-05 to 5-18-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 116-1154  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 18, 20 07

Document No.: 11.0

Revision No.: 0

**FORM NIS-2 OWNER'S REPORT FOR REPAIR/REPLACEMENT ACTIVITY****As Required by the Provisions of the ASME Code Section XI**

1. Owner Exelon Nuclear Date 04/14/07  
 Name  
4300 Winfield Road, Warrenville, IL  
 Address
2. Plant Byron Nuclear Power Station Sheet 1 of 1  
 Name  
4450 N. German Church Road, Byron, IL  
 Address
3. Work Performed by Shaw/Stone & Webster Type Code Symbol Stamp Not Applicable  
 Name  
36400 S. Essex Road, Wilmington, IL 60481  
 Address
4. Identification of System ESSENTIAL SERVICE WATER ( SX )
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda  
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Bolt , Stud 1 1/2" X 19 3/4"	Texas Bolt Company	Ht: 9968845 Ht. Code: GT39	N/A	2SX143B #5	1977	Removed	No
Bolt , Stud 1 1/2" X 19 3/4"	NOVA MACHINE	Ht: 239162 Ht. Code: 0C16	N/A	2SX143B #5	2006	Installed	No
Bolt , Stud 1 1/2" X 19 3/4"	Texas Bolt Company	Ht: 9968845 Ht. Code: GT39	N/A	2SX143B #7	1977	Removed	No
Bolt , Stud 1 1/2" X 19 3/4"	NOVA MACHINE	Ht: 239162 Ht. Code: 0C16	N/A	2SX143B #7	2006	Installed	No
Bolt , Stud 1 1/2" X 19 3/4"	Texas Bolt Company	Ht: 9968845 Ht. Code: GT39	N/A	2SX143B #13	1977	Removed	No
Bolt , Stud 1 1/2" X 19 3/4"	NOVA MACHINE	Ht: 239162 Ht. Code: 0C16	N/A	2SX143B #13	2006	Installed	No
Bolt , Stud 1 1/2" X 19 3/4"	Texas Bolt Company	Ht: 9968845 Ht. Code: GT39	N/A	2SX143B #29	1977	Removed	No
Bolt , Stud 1 1/2" X 19 3/4"	NOVA MACHINE	Ht: 239162 Ht. Code: 0C16	N/A	2SX143B #29	2006	Installed	No

7. Description of Work REPLACE VALVE/PIPE FLANGE STUDS - 2SX143B

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ Exempt ☐  
 Other ☐ Pressure 102 psi Test Temp. 67 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00503439 - 01 Document No.: 11.0  
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] [Signature] [Signature] Date 5/18, 20 07  
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 6-15-05 to 5-18-07, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 166-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: May 18, 20 07

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00587530-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

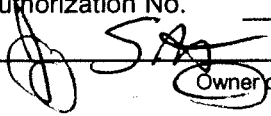
Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed



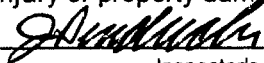
Date 3/21, 20 06

Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 12/2/05 to 3/2/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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



Inspector's Signature

Commissions

122-1254

National Board, State Province, and Endorsements

Date: March 21, 20 06



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- [illegible]

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00587610-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

I certify that the statements made in the report are correct and this conforms to the requirements of the ASME Code, Section XI.

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

[Signature] RRR Coord.  
Owner or Owner's Designee, Title

Date 3/21, 20 06

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 12/2/05 to 3/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

111-1254  
National Board, State Province, and Endorsements

Date: March 21, 20 06

\* CORRECTED

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

1. Owner Exelon Nuclear Date 10/5/05  
Name  
4300 Winfield Road, Warrenville, IL 60555  
Address  
Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL 61010  
Address  
Work Order No. 00731160-01  
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name  
4450 N. German Church Road, Byron, IL 61010  
Address  
Authorization No. Not Applicable  
Expiration Date Not Applicable
4. Identification of System SX - ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code Section III 19 74 Edition, W75 Addenda, NO Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
(c) Section XI Code Cases used, NONE
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CHECK VALVE	ANDERSON GREENWOOD	<del>A-126</del> N26535	<del>RS</del> N/A 2/3/07	2SX174 <del>RS</del> 2/3/01	<del>1977</del> 1990	REPLACED	YES
CHECK VALVE	TYCO-Anderson Greenwood	S/N: N99702-00-0001	N/A	CAT ID #34896 2SX174	2004	REPLACEMENT	YES

7. Description of Work REPLACE CHECK VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 84 psi Test Temp 71 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8½ in. x 11 in., (2) information in

FORM NIS-2 (Back)

9. Remarks WO#731160-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp

Not Applicable

Certificate of Authorization No.

Not Applicable

Signed

RRR Corp  
Owner or Owner's Designee, Title

Date 11/21, 20 05

2/8/07

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 10/4/05 to 11/21/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report.

Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Inspector's Signature

Commissions

111-1254

National Board, State Province, and Endorsements

Date:

Nov. 21, 20 05

2/8/07