

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

1. Owner Exelon Nuclear Date 03/03/04  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 99279919-06
3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O. No., Job No., etc. Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
4450 N. German Church Road, Byron, Il. Expiration Date Not Applicable  
Address
4. Identification of System [MS] MAIN STEAM
5. (a) Applicable Construction Code Section III 19 74 Edition, S/74 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Applicable ASME Section XI Code Cases: 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)
PLUG	ANCHOR DARLING	S/N: 2 HT: J6016	N/A	ETN;1MS018D VLV S/N: 70-117594	1995	REPLACED	YES
PLUG	FLOW SERVE	S/N: Q0092-50-2	N/A	ETN;1MS018D CAT ID# 29378	2003	REPLACEMENT	YES

7. Description of Work REPLACEMENT OF VALVE PLUG - 1MS018D
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
N/A Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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 99279919-06

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 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

ASMA RRR Coord  
Owner or Owner's Designee, Title

Date

7/24, 2004

## 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 1/16/04 to 7/26/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

126-1254

National Board, State Province, and Endorsements

Date

July 26, 2004

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

1. Owner Exelon Nuclear Date 03/12/05  
Name  
4300 Winfield Rd. Warrenville, IL 60555  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, IL. Work Order No. 00443700-01  
Address
3. Work Performed by N P S & W Venture Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
555 S. Joliet Rd., Bolingbrook, IL 60440 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System [RC/IT] Reactor Coolant / Incore Thermocouple
5. (a) Applicable Construction Code Section III 1971 Edition, S/73 Addenda, 1529 Code Case  
Section III 1989 Edition, No Addenda, No Code Cases (Replacement)  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
(c) Applicable ASME Section XI Code Cases: 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)
Seal Housing	Westinghouse	S/N: 5390G	N/A	ETN; 1RC01R	1987	REPLACED	YES
Seal Housing	Westinghouse	S/N: 5403G	N/A	ETN; 1RC01R	1987	REPLACED	YES
Seal Housing	Westinghouse	S/N: 5395G	N/A	ETN; 1RC01R	1987	REPLACED	YES
Seal Housing	Westinghouse	S/N: 5397G	N/A	ETN; 1RC01R	1987	REPLACED	YES
Seal Housing	Westinghouse	S/N: 5392G	N/A	ETN; 1RC01R	1987	REPLACED	YES
Seal Housing Assembly	Westinghouse Electric Corp.	HSG S/N:B1203006 NUT S/N:B1203006 COLLAR S/N:B1003006	N/A	Cat1 Id # 1394301 TC#1 CET PORT#74 (#1)	2004 2004 2003	REPLACEMENT	NO
Seal Housing Assembly	Westinghouse Electric Corp.	HSG S/N:B1203007 NUT S/N:B1203007 COLLAR S/N:B1003007	N/A	Cat1 Id # 1394301 TC#2 CET PORT#75 (#2)	2004 2004 2004	REPLACEMENT	NO
Seal Housing Assembly	Westinghouse Electric Corp.	HSG S/N:B1203008 NUT S/N:B1203008 COLLAR S/N:B1003008	N/A	Cat1 Id # 1394301 TC#3 CET PORT#76 (#3)	2004 2004 2003	REPLACEMENT	NO
Seal Housing Assembly	Westinghouse Electric Corp.	HSG S/N:B1203009 NUT S/N:L120226 COLLAR S/N:L120222	N/A	Cat1 Id # 1394301 TC#4 CET PORT#77 (#4)	2004 2004 2003	REPLACEMENT	NO
Seal Housing Assembly	Westinghouse Electric Corp.	HSG S/N:B1203010 NUT S/N:L120232 COLLAR S/N:L120223	N/A	Cat1 Id # 1394301 TC#5 CET PORT#78 (#5)	2004 2004 2003	REPLACEMENT	NO

7. Description of Work Replace Thermocouple seal housing flange assembly Per approved EC# 332186
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
VT-1 & VT-2  
Other ☐ Pressure 2242 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00443700-01

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 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed

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

Date 5/27, 2005

**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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11/9/04 to 5/27/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

1LL-1254

National Board, State Province, and Endorsements

Date May 27, 2005



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 03/15/05  

Name

4300 Winfield Road, Warrenville, IL  

Address
2. Plant Byron Nuclear Power Station Sheet 1 of 2  

Name

4450 N. German Church Road, Byron, IL  

Address
- Work Order No. 00591819-01  

Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  

Name

555 S. Joliet Rd, Bolingbrook, IL 60440  

Address
- Authorization No. Not Applicable  

Expiration Date

Not Applicable
4. Identification of System Reactor Coolant (RC)
5. (a) Applicable Construction Code ASME Section III 19 86 Edition, NO Addenda, None  

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)
S/G Primary MW Stud	Nova Machine Products	Ht# DVD S# 1-069	N/A	1RC01BC MW Stud# 4	1997	Replaced	NO
S/G Primary MW Stud	Nova Machine Products	Ht# 7421869 Trace: S487	N/A	1RC01BC MW Stud# 4	2005	Replacement	NO
S/G Primary MW Stud	Nova Machine Products	Ht# DVD S# 23-044	N/A	1RC01BC MW Stud# 6	1997	Replaced	NO
S/G Primary MW Stud	Nova Machine Products	Ht# 7421869 Trace: S487	N/A	1RC01BC MW Stud# 6	2005	Replacement	NO
S/G Primary MW Stud	Nova Machine Products	Ht# DVD S# 7-063	N/A	1RC01BC MW Stud# 8	1997	Replaced	NO
S/G Primary MW Stud	Nova Machine Products	Ht# 7421869 Trace: S487	N/A	1RC01BC MW Stud# 8	2005	Replacement	NO
S/G Primary MW Stud	Nova Machine Products	Ht# DVD S# 7-065	N/A	1RC01BC MW Stud# 9	1997	Replaced	NO
S/G Primary MW Stud	Nova Machine Products	Ht# 7421869 Trace: S487	N/A	1RC01BC MW Stud# 9	2005	Replacement	NO
S/G Primary MW Stud	Nova Machine Products	Ht# DVD S# 1-71	N/A	1RC01BC MW Stud# 10	1997	Replaced	NO
S/G Primary MW Stud	Nova Machine Products	Ht# 7421869 Trace: S487	N/A	1RC01BC MW Stud# 10	2005	Replacement	NO

7. Description of Work Replaced damaged studs on Cold Leg Primary Manway MJ-C2 1C Steam Generator
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  

N/A 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 Replacement of damaged studs per WO 00591819-01  
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 [Signature] RRR Cool. Date 5/11, 20 05  
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 3/12/05 to 5/12/05, 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.

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

Date: May 12, 20 05

**FORM NIS-2 SUPPLEMENTAL SHEET**

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

Date 03/15/05

Sheet 2 of 2

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

Unit 01

**Work Order No. 00591819-01**

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

3. Work Performed by N P S & W VENTURE  
Name  
555 S. Joliet Rd, Bolingbrook, IL 60440  
Address

Type Code Symbol Stamp Not Applicable  
 Authorization No. Not Applicable  
 Expiration Date Not Applicable

4. Identification of System REACTOR COOLANT (RC)

5. (a) Applicable Construction Code ASME Section III 19 86 Edition, NO Addenda, N/A  
Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components	19	89
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(c) Section XI Code Cases used, NONE

6. Identification of Components Repaired or Replaced and Replacement Components

[illegible]

(Final)

**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 3/19/05

Name  
4300 Winfield Road, Warrenville, IL  
Address

Sheet 1 of 1

2. Plant **Byron Nuclear Power Station**

Unit 01

Name  
4450 N. German Church Road, Byron, IL  
Address

**Work Order No. 00617279-04**

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

3. Work Performed by **N P S & W VENTURE**

Type Code Symbol Stamp **Not Applicable**

Name  
555 S. Joliet Rd, Bolingbrook, IL 60440  
Address

Authorization No. **Not Applicable**

Expiration Date	Not Applicable
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#### 4. Identification of System **REACTOR COOLANT/PUMPS**

5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, None Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components	19	89
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(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)
Upper Oil Cooler	Perfex Division	875201-4	5724 ✓	1RC01PB-M	1976	Replaced	Yes
Upper Oil Cooler	Perfex Division	1001601-3	6374 ✓	1RC01PB-M	1980	Replacement	Yes
Lower Oil Cooler	Ionics, Inc.	7512/13-10	410 ✓	1RC01PB-M	1976	Replaced	Yes
Lower Oil Cooler	Ionics, Inc.	8843/8844-1	615 ✓	1RC01PB-M	1980	Replacement	Yes

7.	Description of Work	REPLACED 1B REACTOR COOLANT MOTOR INCLUDING THE UPPER AND LOWER OIL COOLERS.
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8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 133 psi Test Temp. 72.8 °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. 00617279-04

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 Joe S. RRR Coord. Date 5/11, 20 05  
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 2/22/05 to 5/14/05, 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.

J. J. J. J. Commissions ILL-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: MAY 12, 20 05

(Final)



FORM NIS-2 (Back)

9. Remarks Work Order No. 00752315-21

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

[Signature]

RRR Ceod

Date 3/24, 20 05

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 3/13/05 to 4/1/05, 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.

[Signature]

Inspector's Signature

Commissions

166-1254

National Board, State Province, and Endorsements

Date:

April 1, 20 05

(Final)

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

1. Owner Exelon Nuclear Date 12/16/04  
Name  
4300 Winfield Rd. Warrenville, IL 60555  
Address
2. Plant Byron Nuclear Power Station Unit 00  
Name  
4450 N. German Church Road, Byron, IL. Work Order No. 00622061-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, IL. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System RH RESIDUAL HEAT REMOVAL - SPARE
5. (a) Applicable Construction Code Section III 19 71 Edition, S/72 Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
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)
SPINDLE, POINT	CROSBY VALVE AND GAGE CO.	N88700-37-0036	N/A	Valve S/N: N56904-00-0015	1975	REPLACED	NO
SPINDLE, POINT	ANDRSON GREENWOOD	N88700-32-0198 HT# Q2083-GWO	N/A	Valve S/N: N56904-00-0015	2004	REPLACEMENT	NO
NOZZLE	CROSBY VALVE AND GAGE CO.	N90149-31-0041	N/A	Valve S/N: N56904-00-0015	1975	REPLACED	NO
NOZZLE	CROSBY VALVE AND GAGE CO.	N90149-93-0187 HT# 50148	N/A	Valve S/N: N56904-00-0015	1998	REPLACEMENT	NO
DISC INSERT	CROSBY VALVE AND GAGE CO.	N90446-34-0039	N/A	Valve S/N: N56904-00-0015	1975	REPLACED	NO
DISC INSERT	CROSBY VALVE AND GAGE CO.	N90446-62-0130 HT # 88449	N/A	Valve S/N: N56904-00-0015	1987	REPLACEMENT	NO

7. Description of Work REPLACE POINT SPINDLE, NOZZLE AND DISC INSERT IN SPARE RELIEF VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 N/A  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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 00622061-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

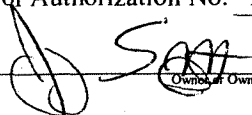
We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed

 RRR Coord.  
Owner or Owner's Designee, Title

Date 1/24, 2005

**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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11/10/03 to 1/25/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

  
Inspector's Signature

Commissions

122-1254

National Board, State Province, and Endorsements

Date Jan. 25, 20 05



FORM NIS-2 (Back)

9. Remarks 548839-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct REPLACEMENT conform to the and this

rules of the ASME Code, Section XI.

repair or replacement

Type Code Symbol Stamp

**Not Applicable**

Certificate of Authorization No.

**Not Applicable**

Signed

*Scott Esposito*

Date 3-28, 20 05

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 Illinois and employed by HSB CT of

of Hartford, CT have inspected the components described in this Owner's Report during the period

3/8/05

to

3/28/05

, 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.

*James J. ...*

Inspector's Signature

Commissions

126-1254

Date:

March 28

, 20 05

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

1. Owner Exelon Nuclear Date 3/14/05  
Name  
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, IL. Work Order No. 00617468-01  
Address
3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O. No., Job No., etc.  
Stamp Not Applicable Type Code Symbol
- Name  
4450 N. German Church Road, Byron, IL. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System RY PRESSURIZER
5. (a) Applicable Construction Code Section III 19 71 Edition, W/72 Addenda, 1501, 1649 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
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)
RELIEF VALVE	CROSBY VALVE	N56964-00-0111	N/A	1RY8010A	1993	REPLACED	YES
RELIEF VALVE	CROSBY VALVE	N56964-00-0049	N/A	1RY8010A	1976	REPLACEMENT	YES

7. Description of Work REPLACE RELIEF VALVE PER PM PROGRAM
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2235 psi Test Temp. 649 °F

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

(2) information in 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# 00617468-01

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 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed David A. Niles, RRR  
Owner or Owner's Designee, Title

Date 5-2, 2005

**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 4/29/04 to 5/4/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

1LL-1254  
National Board, State Province, and Endorsements

Date May 4, 2005

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

1. Owner Exelon Nuclear Date 3/14/05  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 735440-01  
Address
3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O. No., Job No., etc.  
Stamp Not Applicable Type Code Symbol
- Name Authorization No. Not Applicable  
4450 N. German Church Road, Byron, Il. Expiration Date Not Applicable  
Address
4. Identification of System RY
5. (a) Applicable Construction Code Section III 19 71 Edition, W/72 Addenda, NO Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
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)
RELIEF VALVE	CROSBY GAGE CO.	N56964-00-090	N/A	1RY8010B	1976	REPLACED	YES
RELIEF VALVE	CROSBY GAGE CO.	N56964-00-0047	N/A	CAT ID #24176	1976	REPLACEMENT	YES

7. Description of Work REPLACE PRESSURIZER RELIEF VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2235 psi Test Temp. 649 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in.,  
(2) information in 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. 735440-01Applicable Manufacturer's Data Reports to be attached

## CERTIFICATE OF COMPLIANCE

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

repair or replacementType Code Symbol Stamp Not ApplicableCertificate of Authorization No. Not ApplicableExpiration Date Not ApplicableSigned David A. Limer, RRR COORDINATOROwner or Owner's Designee, TitleDate 5-2, 20 05

## 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 4/23/04 to 5/4/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]Inspector's Signature

Commissions

166-1254National Board, State Province, and EndorsementsDate May 4, 20 05

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

1. Owner Exelon Nuclear Date 3-13-05  
Name  
4300 Winfield Rd. Warrenville, IL 60555  
Address
2. Plant Byron Nuclear Power Station Sheet 1 of 1  
Name  
4450 N. German Church Road, Byron, IL. Unit 01  
**Work Order No. 735444-01**
3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O. No., Job No., etc. \_\_\_\_\_  
Stamp **Not Applicable** Type Code Symbol \_\_\_\_\_  
Name  
4450 N. German Church Road, Byron, IL. Authorization No. **Not Applicable**  
Address Expiration Date **Not Applicable**
4. Identification of System RY
5. (a) Applicable Construction Code Section III 19 71 Edition, W/72 Addenda, NO Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89

**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)
RELIEF VALVE	CROSBY GAGE CO.	N56964-00-030	N/A	1RY8010C	1976	REPLACED	YES
RELIEF VALVE	CROSBY GAGE CO.	N56964-00-048	N/A	CAT ID #24176	1976	REPLACEMENT	YES

7. Description of Work REPLACE PRESSURIZER RELIEF VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2235 psi Test Temp. 649 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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 00735444-01

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 conforms to the rules of the ASME Code, Section XI.  
repair or replacement

Type Code Symbol Stamp Not ApplicableCertificate of Authorization No. Not ApplicableExpiration Date Not Applicable

Signed

David A. Niben, RRR COORDINATOR  
Owner or Owner's Designee, Title

Date

5-3, 20 05

## 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

Report during the period 11/22/04 to 5/4/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

1LL-1254National Board, State Province, and Endorsements

Date

May 4, 20 05

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

1. Owner Exelon Nuclear Date 4/1/05  
Name  
4300 Winfield Rd, Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 0  
Name  
4450 N. German Church Road, Byron, Il. Purchase Order No. 00080614
3. Work Performed by Westinghouse Electric Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
1000 Westinghouse Dr. New Stanton, PA 15672 Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System Reactor Coolant Pressurizer [RY] - SPARE
5. (a) Applicable Construction Code Section III 1971 Edition, W72 Addenda, 1553 Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Applicable ASME Section XI Code Cases: 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)
SWING CHECK VALVE	WESTINGHOUSE	03000CS8200000 002W720066 ID #: 3C72	<del>N/A</del> <i>W10349</i>	SPARE FOR 1/2RY8046	1975	REPAIRED	YES

7. Description of Work: MACHINE VALVE BUTT ENDS
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 N/A  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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 Purchase Order No. 00080614

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed David C. Silver, RRR COORDINATOR  
Owner or Owner's Designee, Title

Date 5-17, 20 05

**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 2/05/05 to 5/18/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions 1LL-1254

National Board, State Province, and Endorsements

Date May 18, 20 05

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

1. Owner Exelon Nuclear Date 05/20/04  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address
2. Plant Byron Nuclear Power Station Sheet 1 of 1  
Name  
4450 N. German Church Road, Byron, Il. Unit 01  
Address Work Order No. 00480189-01
3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System STATION AIR [SA]
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, (PIPE) Code Case  
Section III 1986 Edition, 1987 Addenda (Valve)
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
- (c) Applicable ASME Section XI Code Cases: N-416-1
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)
VALVE 1"	KEROTEST	ADP15-17	37513	1SA181A	1985	REPLACED	YES
VALVE 2"	FLOWERVE	23AXB	N/A	1SA181A CAT ID#1384035	2003	REPLACEMENT	YES
2" 300# S.W.R.F. FLANGE	CONSOLIDATED POWER SUPPLY	HT# 3M40774 CODE: BPQ-A-2	N/A	1SA77BA CAT ID#24465	2004	REPLACEMENT	NO
STUDS-5/8"-11 THD. ROD	NOVA MACH. PROD. CORP.	HT# 224938	N/A	1SA77BA CAT ID#25042	2004	REPLACEMENT	NO
NUTS-5/8"-11	NOVA MACH. PROD. CORP.	HT# 7220464	N/A	1SA77BA CAT ID#37029	2004	REPLACEMENT	NO
2X1 INSERT	CONSOLIDATED POWER SUPPLY	HT# 021J	N/A	1SA77BA CAT ID#27472	2004	REPLACEMENT	NO

7. Description of Work REPLACE 1" CHECK VALVE W/ 2" FLANGED CHECK VALVE-1SA181A
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 240 psi Test Temp. 87 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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. 00480189-01

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 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

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

Date 10/29, 20 04

**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 3/19/04 to 11/12/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

ILL-1254  
National Board, State Province, and Endorsements

Date Nov. 12, 20 04

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

1. Owner Exelon Nuclear Date 2/11/05  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address  
 Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 00480195-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SA - SERVICE AIR
5. (a) Applicable Construction Code Section III 19 74 Edition, S75 Addenda, N/A Code Case  
 1986 Ed '87 Ad (replacement valve)  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Applicable ASME Section XI Code Cases: N-416-1
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)
1" CHECK VALVE	KEROTEST	S/N TKD4-24	11,582	1SA181D	1976	REPLACED	YES
2" CHECK VALVE	FLOWSERVE	S/N 18AXB	N/A	1SA181D CAT ID #1384035	2003	REPLACEMENT	YES
2", 300#, S.W.R.F. FLANGE	Consolidated Power Supply	HT #3M40774 LOT #2451	N/A	1SA77BD CAT ID #24465	2004	REPLACEMENT	NO
STUDS- 5/8"-11 THD. ROD	NOVA Machine Products	HT #224938 LOT #1620	N/A	1SA77BD CAT ID #25042	2004	REPLACEMENT	NO
NUTS - 5/8"-11	NOVA Machine Products	HT #7220464 LOT #50002672	N/A	1SA77BD CAT ID #37029	2004	REPLACEMENT	NO
2X1 INSERT	Consolidated Power Supply	HT #21J	N/A	1SA77BD CAT ID #27472	2004	REPLACEMENT	NO

7. Description of Work REPLACE 1" S.W. CKECK VALVE W/2" FLANGED CHECK VALVE - 1SA181D
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 238 psi Test Temp. 83 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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. 00480195-01

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 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

RRR Coord  
Owner or Owner's Designee, Title

Date

3/21, 20 05

**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 1/8/04 to 3/2/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

144-1254  
National Board, State Province, and Endorsements

Date

March 21, 20 05

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

1. Owner Exelon Nuclear Date 08/13/04  
Name  
4300 Winfield Rd. Warrenville, IL. 60555  
Address  
 2. Plant Byron Nuclear Power Station Sheet 1 of 1  
Name  
4450 N. German Church Road, Byron, IL. Unit 01  
Address  
 3. Work Performed by Byron Mechanical Maintenance Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp Not Applicable  
4450 N. German Church Road, Byron, IL. Authorization No. Not Applicable  
Address Expiration Date Not Applicable  
 4. Identification of System STATION AIR [SA]  
 5. (a) Applicable Construction Code Section III 19 86 Edition, 1987 Addenda, (VALVE) Code Case  
 1974 S/75 (PIPE)  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Applicable ASME Section XI Code Cases: N-416-1

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)
VALVE 1"	KEROTEST	SSC2-25	11,552	ISA181B	1976	REPLACED	YES
VALVE 2"	FLOWERVE	21AXB	N/A	ISA181B CAT ID#1384035	2003	REPLACEMENT	YES
2" 300# S.W.R.F. FLANGE	CONSOLIDATED POWER SUPPLY	HT# 3M40774 CODE: BPQ-A-2	N/A	ISA77AB CAT ID#24465	2004	REPLACEMENT	NO
STUDS-5/8"-11 THD. ROD	NOVA MACHINE PRODUCTS.	HT# 224938	N/A	ISA77AB CAT ID#25042	2004	REPLACEMENT	NO
NUTS-5/8"-11	NOVA MACHINE PRODUCTS.	HT# 7220464	N/A	ISA77AB CAT ID#37029	2004	REPLACEMENT	NO
2X1 INSERT	CONSOLIDATED POWER SUPPLY	HT# 021J	N/A	ISA77AB CAT ID#27472	2004	REPLACEMENT	NO

7. Description of Work REPLACE 1" CHECK VALVE W/ 2" FLANGED CHECK VALVE-ISA181B PER EC# 79848.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 242 psi Test Temp. 70 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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. 00480196-01

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 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

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

Date 10/29, 2004

**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 6/11/04 to 11/12/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

166-1254  
National Board, State Province, and Endorsements

Date Nov. 12, 2004



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

9. Remarks W/O#00792000-01

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 David A. Silver RRR COORDINATOR Date 4-18, 20 05  
Owner or Owner's Designee, Title

**CERTIFICATE OF INSERVICE INSPECTION**

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by H.S.B. CT. of Hartford, CT. Have inspected the components described in this Owner's Report during the period 3/31/05 to 4/18/05, 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.

David A. Silver  
Inspector's Signature

Commissions

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

Date April 18, 20 05

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

1. Owner Exelon Nuclear Date 03/21/05  
Name  
4300 Winfield Rd. Warrenville, Il. 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 00628787-04  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System SD STEAM GENERATOR BLOWDOWN
5. (a) Applicable Construction Code Section III 19 74 Edition, W/75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Applicable ASME Section XI Code Cases: 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)
PLUG, VALVE	MASONEILAN	S37946-2	N/A	1SD002D	2002	REPLACED	YES
PLUG, VALVE	MASONEILAN	S37946-9	N/A	1SD002D	2004	REPLACEMENT	YES

7. Description of Work REPAIR VALVE LEAKBY. REPLACE VALVE PLUG.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐  
 N/A  
 Other ☐ Pressure \_\_\_\_\_ psi Test Temp. \_\_\_\_\_ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in.,  
 (2) information in 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# 00628787-04

Applicable Manufacturer's Data Reports to be attached

REPLACEMENT VALVE PLUG TACK WELDED TO STEM UNDER WORK ORDER 00660129-01.

## CERTIFICATE OF COMPLIANCE

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

repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

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

Date

4/1, 20 05

## 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 3/21/05 to 4/1/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

122-1254

National Board, State Province, and Endorsements

Date

April 1, 20 05

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

1. Owner Exelon Nuclear Date 03/11/05  
Name  
4300 Winfield Rd. Warrenville, Il. 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 00617461-01  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Authorization No. Not Applicable  
4450 N. German Church Road, Byron, Il. Expiration Date Not Applicable  
Address
4. Identification of System SI
5. (a) Applicable Construction Code Section III 19 71 Edition, W72 Addenda, 1649 Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
(c) Applicable Section XI Code Cases: 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)
2" X 3" RELIEF VALVE	CROSBY VALVE	N56902-00-0029	N/A	ETN: 1SI8856A	1999	REPLACED	YES
2" X 3" RELIEF VALVE	CROSBY VALVE	N56902-00-0007	N/A	ETN: 1SI8856A	1975	REPLACEMENT	YES

7. Description of Work: REPLACE RELIEF VALVE PER PM PROGRAM
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 543 psi Test Temp. 157 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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. 00617461-01**

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 conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

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

Date

5/20, 20 05

**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 4/8/04 to 5/20/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

1LL-1254  
National Board, State Province, and Endorsements

Date

May 20, 20 05

**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  
Name  
4300 Winfield Road, Warrenville, IL  
Address

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

3. Work Performed by N P S & W VENTURE  
Name  
555 S. Joliet Rd, Bolingbrook, IL 60440  
Address

Date 3/8/05

Sheet 1 of 1

Unit 01

**Work Order No. 00430787-01**

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

Type Code Symbol Stamp Not Applicable

Authorization No. Not Applicable

Expiration Date Not Applicable

4. Identification of System ESSENTIAL WATER (SX)
5. (a) Applicable Construction Code **Section III** 1974 Edition, S75 Addenda, 1702 Code Case 1773
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
- (c) Section XI Code Cases used, N-416-2
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)
Butterfly valve	Jamesburv	ND-48858-21A	N/A	1SX001A	1978	Replaced	YES
Butterfly Valve	Jamesburv	ND-48859-10A	N/A	1SX001A	1978	Replacement	YES

7. Description of Work Install replacement butterfly valve. Pipe Spool Piece was cut and re-used
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒
- Other ☐ Pressure 31.5 psi Test Temp. 66 °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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS  
As Required by the Provisions of the ASME Code Section XI  
(NIS-2 Back)

9. Remarks Work Order No. 00430787-01

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 [Signature] RRR Coach Date 3/25, 20 05  
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 3/20/03 to 3/29/05, 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.

[Signature] Commissions 121-1254  
Inspector's Signature National Board, State Province, and Endorsements

Date: March 29, 20 05

(Final)



**ATTACHMENT 4**  
**FORM NIS-2 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Page 2 of 4**

9. Remarks Work Order 493159-01, used Code Case N-416-2.

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 David A. Silva, RRR COORDINATOR Date 12-16, 20 03/4

Owner or Owner's Designee, Title

DAS  
12/16/04

**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 9/22/03 to 12/16/04, 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.

J. Dondulich

Inspector's Signature

Commissions

121-1254  
National Board, State Province, and Endorsements

Date: Dec. 16, 20 04

(Final)

1.	Owner <u>Exelon Nuclear</u> Name <u>4300 Winfield Rd. Warrenville, Il. 60555</u> Address	Date <u>10/29/03</u>
2.	Plant <u>Byron Nuclear Power Station</u> Name <u>4450 N. German Church Road, Byron, Il.</u> Address	Sheet <u>1</u> of <u>1</u> Unit <u>01</u>  <u>Work Request No. 538312-01</u>
3.	Work Performed by <u>Byron Mechanical Maintenance</u> Name <u>4450 N. German Church Road, Byron, Il.</u> Address	Repair Organization, P.O. No., Job No., etc. Type Code Symbol Stamp <u>Not Applicable</u> Authorization No. <u>Not Applicable</u> Expiration Date <u>Not Applicable</u>
4.	Identification of System <u>SX</u>	
5.	(a) Applicable Construction Code <u>Section III</u> 19 <u>77</u> Edition, <u>W78</u> Addenda, NO	Code

(b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989

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

[illegible]

7. Description of Work REPLACE VALVE BALL

8. Test Conducted: Hydrostatic ☒ Pneumatic ☐ Nominal Operating Pressure ☐

N/A Other ☐ Pressure psi Test Temp. °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in., (2) information in 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 Valve ball replacement per WO 538312-01.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 conforms to the rules of the ASME Code, Section XI.

repair or replacementType Code Symbol Stamp NOT APPLICABLECertificate of Authorization No. NOT APPLICABLEExpiration Date NOT APPLICABLE

Signed

David A. Silver  
Owner or Owner's Designee, Title

Date

3-4, 20 04

## 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 H.S.B. CT. of Hartford, CT.

have inspected the components described in this Owner's Report during the period 2/5/03 to 3/4/04, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

122-1254  
National Board, State Province, and Endorsements

Date

March 04, 20 04

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

1. Owner Exelon Nuclear Date 01/06/05  
Name  
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 00  
Name  
4450 N. German Church Road, Byron, IL. **Work Order No. 00605446-01**  
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp **Not Applicable**  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, IL. Authorization No. **Not Applicable**  
Address Expiration Date **Not Applicable**
4. Identification of System SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code Section III 19 74 Edition, W/75 Addenda, N/A Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Applicable Section XI Code Cases: N-416-2
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)
VALVE	ANCHOR DARLING VALVE CO.	E-6220-10-2	N/A	0SX063B	1978	REPLACED	YES
VALVE	FLOWERVE	AY-204	N/A	CAT ID# 1399376-1 0SX063B	2005	REPLACEMENT	YES

7. Description of Work REPLACE VALVE WITH A STAINLESS STEEL VALVE - 0SX063B
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 70 psi Test Temp. 74 °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 8-1/2 in. x 11 in.,  
 (2) information in 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# 00605446-01

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 conforms to the rules of the ASME Code, Section XI.

repair or replacement

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

Signed

[Signature] 500 RRR Coord  
Owner or Owner's Designee, Title

Date 1/27, 20 05

## 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 1/14/04 to 1/27/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]  
Inspector's Signature

Commissions

1LL-1254  
National Board, State Province, and Endorsements

Date Jan. 27, 20 05

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

- |    |   |  |  |                                   |
|----|---|--|--|-----------------------------------|
| 1. | Owner   | <u>Exelon Nuclear</u>                          | Date   | <u>3/13/05</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>01</u>                         |
|    |   | Name   |  |                                   |
|    |   | <u>4450 N. German Church Road, Byron, IL</u>   | <b>Work Order No. 00608705-01</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>555 S. Joliet Rd, Bolingbrook, IL 60440</u> | Expiration Date                              | <u>Not Applicable</u>             |
|    |   | Address  |  |                                   |
| 4. | Identification of System  | <u>ESSENTIAL SERVICE WATER</u>                 |  |                                   |
| 5. | (a) Applicable Construction Code  | ASME Section III                               | 19 74 Edition,                               | W75 Addenda, 1567, Code Case 1682 |
|    | (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components | 19   | 89   |                                   |
|    | (c) Section XI Code Cases used,   | <u>N-416-2</u>                                 |  |                                   |
| 6. | Identification of Components Repaired or Replaced and Replacement Components        |  |  |                                   |

[illegible]

- |    |                                |   |                                    |  |            |       |
|----|--------------------------------|---|------------------------------------|--|------------|-------|
| 7. | Description of Work            | INSTALLED VALVE (PIPE ENDS WERE NOT USED) |                                    |  |            |       |
| 8. | Test Conducted:                | Hydrostatic <input type="checkbox"/>      | Pneumatic <input type="checkbox"/> | Nominal Operating Pressure <input checked="" type="checkbox"/> |            |       |
|    | Other <input type="checkbox"/> | Pressure                                  | 52                                 | 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 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. 00608705-01  
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 [Signature] Date 3/25, 20 05  
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 2/2/04 to 3/25/05, 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.

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

Date: March 25, 20 05

(Final)

**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 3/13/05  
4300 Winfield Road, Warrenville, IL Name  
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01  
4450 N. German Church Road, Byron, IL Name  
Address **Work Order No. 00608709-01**  
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable  
555 S. Joliet Rd, Bolingbrook, IL 60440 Name  
(See Remarks) Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System ESSENTIAL SERVICE WATER  
VALVE
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W75 Addenda, 1567, Code Case  
PIPE 19 74 S75 1682  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Section XI Code Cases used, N-416-2
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)
VALVE, GATE, 6", 150#	ANCHOR DARLING	E-6220-5-2	N/A	1SX178	1978	Replaced	YES
VALVE, GATE, 6", 150#	FLOWSERVE	AX-282	N/A	1SX178	2005	Replacement	YES
6" PIPE	SOUTHWEST FABRICATING	SX-57-2	N/A	1SXA9A-6"	1979	Replaced	YES
6" PIPE	FLOWSERVE	HT: 20927-1	N/A	1SXA9A-6"	2005	Replacement	YES

7. Description of Work REPLACE VALVE AND PIPE STUB
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 52 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 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. 00608709-01


Applicable Manufacturer's Data Reports to be attached  
REPLACEMENT VALVE AND PIPE STUB ASSEMBLY FABRICATED BY FLOWSERVE CORPORATION  
1900 S. SAUNDERS ST., RALEIGH, NC, 27603, N-CERTIFICATE STAMP, AUTHORIZATION No. N-1562  
EXPIRATION DATE 11/26/06

**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

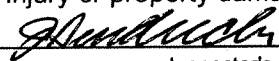
Certificate of Authorization No. Not Applicable

Signed  Date 5/31, 20 05  
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 9/9/04 to 3/31/05, 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.

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

Date: March 31, 20 05

(Final)

# FORM N-5 CERTIFICATE HOLDERS' DATA REPORT FOR INSTALLATION OR SHOP ASSEMBLY OF NUCLEAR POWER PLANT COMPONENTS, SUPPORTS, AND APPURTENANCES\*

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

Pg. 1 of 2

1. Installed and certified by Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603  
(name and address of N or NA Certificate Holder)
2. Installed for Exelon PO Box 05388 Chicago, IL 60680  
(name and address of Purchaser)
3. Location of installation Byron Station 4450 N. German Church Rd. Byron, IL 61010  
(name and address)
4. System identification nuclear piping AX282, AX283 04-30659-03 REV. C N/A N/A 2005  
(system name) (Cert. Holder's serial no.) (drawing no.) (CRN) (Nat'l. Bd. no.) (year installed)
5. ASME Code, Section III, Division 1: 1974 Winter 1975 3 N/A  
(edition) (addenda date) (class) (Code Case no.)
6. N Certificate Holder having overall responsibility Flowserve Corporation, 1900 S. Saunders St., Raleigh, NC 27603  
(name and address)

7. Nuclear components, parts, appurtenances, and supports installed (List each item and attach copies of N Certificate Holders' Data Reports and NPT Certificate Holders' Data Reports.):

Components:

(a) Comp. or Appurt.	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(e) Nat'l. Bd. No.	(f) Year Built
Valve	Flowserve	AX282, AX283	N/A	N/A	2005

Piping and part installation:

(a) Piping or Part Subassembly	(b) Name of Certificate Holder	(c) Serial No.	(d) CRN No.	(E) Nat'l. Bd. No.	(f) Year Built — Parts Only

Support installation:

(a) Support No.	(b) Name of Certificate Holder	(c) Serial No.	(d) Design Rept./Load Capac. Data Sheet	(e) CRN No.	(f) Nat'l. Bd. No.	(g) Year Built

Additional material excluding welding material:

(a) Name of Mfr.	(b) Material Spec. No.	(c) Dimensions — Overall
Flowserve	SA106 Gr. B (ht. 20927-1)	24" long 6" Dia. schedule 40

8. Installation in accordance with:

Procedure or Drawing No. 04-30659-03 REV. C- valve & tubing Prepared by Flowserve Corporation

9. Hydrostatic test pressure 350 psi at temp. 100 °F. System design pressure 275 psi at temp. 100 °F.

10. Remarks:

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

Certificate Holder's Serial No. AX282, AX283

## CERTIFICATION OF DESIGN FOR PIPING SYSTEM

Design information on file at \_\_\_\_\_

Design report on file at \_\_\_\_\_

Design specification certified by \_\_\_\_\_ P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design report certified by \_\_\_\_\_ P.E. State \_\_\_\_\_ Reg. no. \_\_\_\_\_

Design conditions of pressure piping \_\_\_\_\_ psi. Temp. \_\_\_\_\_ °F.

## CERTIFICATE OF INSTALLATION COMPLIANCE

We certify that the statements made in this report are correct and that this installation conforms to the rules for construction of the ASME Code, Section III, Division 1, and was performed in accordance with the documents listed in 8 above.

N or NA Certificate of Authorization No. \_\_\_\_\_ Expires \_\_\_\_\_

Date \_\_\_\_\_ Name \_\_\_\_\_ Signed \_\_\_\_\_  
(N or NA Certificate Holder) (authorized representative)

## CERTIFICATE OF INSTALLATION 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 \_\_\_\_\_ and employed by \_\_\_\_\_ of \_\_\_\_\_ have inspected the installation of the items described in this Data Report on \_\_\_\_\_ and state that to the best of my knowledge and belief, the Certificate of Authorization Holder has performed this installation in accordance with the ASME Code, Section III, Division 1.

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

Date \_\_\_\_\_ Signed \_\_\_\_\_ Commissions \_\_\_\_\_  
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

## CERTIFICATE OF COMPLIANCE FOR OVERALL RESPONSIBILITY

Following completion of the above, the Certificate of Authorization Holder accepting overall responsibility for the piping system shall complete the following statement:

We certify that the statements made by this report are correct and that the piping system conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-1562 Expires 11-26-06

Date 2/23/05 Name Flowserve Signed Victor Fajk  
(N Certificate Holder) (authorized representative)

## CERTIFICATE OF INSPECTION

HSB-ANN  
2/25/05

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of North Carolina and employed by HSB CT of Hartford, CT have inspected the piping system described in this Data Report on 2/23/05 and state that to the best of my knowledge and belief, the Certificate Holder has constructed this piping system in accordance with the ASME Code, Section III, Division 1.

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

Date 2/23/05 Signed Mark M. Hene Commissions NB# 9531 A.N.I.C. NC# 1435  
(Authorized Nuclear Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner Exelon Nuclear Date 2/24/04  
Name  
4300 Winfield Rd. Warrenville, Il. 60555  
Address  
 2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, Il. Work Order No. 00624836-01  
Address  
 3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable  
Name Repair Organization, P.O. No., Job No., etc.  
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable  
Address Expiration Date Not Applicable  
 4. Identification of System ESSENTIAL SERVICE WATER [SX]  
 5. (a) Applicable Construction Code Section III 19 74 Edition, S75 Addenda, NONE Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89  
 (c) Applicable ASME Section XI Code Cases: N-416-2  
 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)
2" PIPE TO REDUCER WELD	EXELON	N/A	N/A	1WE82AA	2002	REPLACED	NO
2" PIPE TO REDUCER WELD	EXELON	N/A	N/A	1WE82AA	2004	REPLACEMENT	NO

7. Description of Work CUT PIPE FOR INTERNAL INSPECTION AND RE-WELD SAME PIPE BACK INTO PLACE  
 8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 98 psi Test Temp. 74 °F

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