

FORM NIS-2 (Back)

9. Remarks 00617555-01

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. Silver, RRR COORDINATOR  
Owner or Owner's Designee, Title

Date 3-22, 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 8/20/04 to 3/22/05, 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

12L-1254  
National Board, State Province, and Endorsements

Date March 22, 20 05

DOCUMENT NO.: 6.2

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 3/16/05  
4300 Winfield Road, Warrenville, IL Sheet 1 of 1  
 Name  
 Address
2. Plant Byron Nuclear Power Station Unit 01  
4450 N. German Church Road, Byron, IL **Work Order No. 00695995-03**  
 Name  
 Address 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 Rd, Byron IL Authorization No. **Not Applicable**  
 Address Expiration Date **Not Applicable**
4. Identification of System CV Chemical Volume Control  
 1986 Edition, 1987 Addenda (New Valve)\*  
 1974 Edition, S75 Addenda (Piping)
5. (a) Applicable Construction Code ASME Section III 1971 Edition, S72 Addenda, 1540-1 Code Case  
 (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, DIAPHRAM, 2"	ITT GRINNELL	74-1657-14-23	N/A	1CV8518	1976	Replaced	YES
VALVE, GATE 2" 800 LB	Flowserve	67BBJ	N/A	Cat Id #1398879	2005	Replacement	YES
2" Sch. 40 pipe	Hunter Corp	Ht #462147	N/A	1CV60A-2" S-CV-100-23-3	1984	Replaced	No
2" 3000# S.W. 90 degree Elbow	Hunter Corp	Ht #RA	N/A	1CV60A-2" S-CV-100-23-3	1984	Replaced	No
2" Sch. 40 pipe	Exelon Corporation	HT # 29628	N/A	Cat Id #26883 1CV60A-2"	2001	Replacement	No
2" 3000# S.W. 90 degree Elbow	Exelon Corporation	HT# EF	N/A	Cat Id #26740 1CV60A-2"	2005	Replacement	No

7. Description of Work REPLACE VALVE WITH NEW DESIGN PER MODIFICATION EC 341851  
 \*MODIFICATION CHANGED DESIGN SPECIFICATION TO REQUIRE NEW VALVE TO BE BUILT TO THE 1986 EDITION, 1987 ADDENDA OF ASME SECTION III

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 150 psi Test Temp. 110 °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# 00695995-03

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 5-5, 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

9/3/04 to 5/5/05, 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

122-1254

National Board, State Province, and Endorsements

Date:

May 5, 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 3/15/05  
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. 00706874-01  
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 CV - CHEMICAL AND VOLUME CONTROL
5. (a) Applicable Construction Code Section III 19 71 Edition, W/72 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)
CHECK VALVE COVER/BODY SEAL WELD	KEROTEST	UP-9911-1-(1)Z UP-9911-2-(1)Z	9436	1CV8377 Valve SN KYA4-7	1976	REPLACEMENT	YES

7. Description of Work GRIND OFF SEAL WELD, INSPECT INTERNALS, RE-APPLY SEAL WELD. NO PARTS WERE REPLACED

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 No. 00706874-01

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 Card  
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 8/20/04 to 3/15/05, 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

126-1254  
National Board, State Province, and Endorsements

Date

March 25, 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 Date 03/19/05  
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 Rd. Byron, IL 61010 Work Order 00719869-01  
Address Repair Organization P.O., Job No., etc

3. Work Performed By Byron Mechanical Maintenance  
Type Code Symbol Stamp Not Applicable  
4450 N. German Chruch Rd. Byron, IL 61010 Authorization No. Not Applicable  
Address Expiration Date Not Applicable

4. Identification of System CV- CHEMICAL & VOLUME CONTROL

5. (a) Applicable Construction Code Section III 19 71 Edition, w72Addenda, None Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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)
RADIAL SEAL PLATE	AIRCO VIKING	818398-32-AB	201	1CV01PB- S/N:49771	1976	REPLACED	NO
THRUST SEAL PLATE	AIRCO VIKING	818398-36-AD	201	1CV01PB- S/N:49771	1976	REPLACED	NO
SEAL PLATE	FLOWERVE CORP	RLSA06769	N/A	1CV01PB- S/N:49771	2005	REPLACEMENT	YES
SEAL PLATE	FLOWERVE CORP	RLSA06770	N/A	1CV01PB- S/N:49771	2005	REPLACEMENT	YES

7. Description of Work	REPLACE BOTH RADIAL & THRUST SEAL PLATES TO ACCOMMODATE NEW SPLIT SEALS.
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8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2600 psi Test Temp. 76 °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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**(Back)**

9. Remarks 719869-01

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 Coord  
Owner or Owner's Designee, Title

Date 5/7, 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 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 12/16/04 to 5/9/05, 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

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

Date May 09, 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 Date 03/19/05  
Name

4300 Winfield Rd. Warrenville, IL 60555

Sheet 1 of 1

2. Plant Byron Nuclear Power Station  
Name

Unit 01

4450 N. German Church Rd. Byron, IL 61010  
Address

Work Order 00719869-01  
Repair Organization P.O., Job No., etc

3. Work Performed By Byron Mechanical Maintenance

Type Code Symbol Stamp Not Applicable

4450 N. German Chruch Rd. Byron, IL 61010  
Address

Authorization No.

Not Applicable

Expiration Date

Not Applicable

#### 4. Identification of System CV- CHEMICAL & VOLUME CONTROL

5. (a) Applicable Construction Code Section III 19 71 Edition, W72 Addenda, None Code Case

(b)	Applicable Edition of Section XI Utilized for Repairs or Replacements	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)
RADIAL SEAL HOUSING	AIRCO VIKING	69430-98-AB	201	1CV01PB- S/N:49771	1976	REPLACED	NO
RADIAL SEAL HOUSING	FLOWERVE CORP.	RLSA06847	N/A	1CV01PB- S/N:49771	2005	REPLACEMENT	YES
THRUST SEAL HOUSING	AIRCO VIKING	69430-107-AB	201	1CV01PB- S/N:49771	1976	REPLACED	NO
THRUST SEAL HOUSING	FLOWERVE CORP.	RLSA06846	N/A	1CV01PB- S/N:49771	2005	REPLACEMENT	YES

7. Description of Work	REPLACE RADIAL & THRUST SEAL HOUSINGS TO ACCOMMODATE NEW SPLIT SEALS.
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8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2600 psi Test Temp. 76 °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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**(Back)**

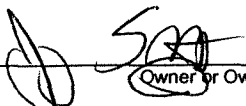
9. Remarks Work Order 00719869-01  
Applicable Manufacturer's Data Reports to be attached  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**CERTIFICATE OF COMPLIANCE**

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed  RRR Coord Date 5/7, 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 12/16/04 to 5/9/05, 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 122-1254  
Inspector's Signature National Board, State, Province, and Endorsements

Date May 09, 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 Date 03/03/05  
4300 Winfield Rd. Warrenville, IL 60555  
Name Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01  
4450 N. German Church Rd. Byron, IL 61010  
Name Address Work Order 00719871-01  
Repair Organization P.O., Job No., etc
3. Work Performed By Byron Mechanical Maintenance  
4450 N. German Church Rd. Byron, IL 61010  
Address Type Code Symbol Stamp Not Applicable  
Authorization No. Not Applicable  
Expiration Date Not Applicable
4. Identification of System CV- CHEMICAL & VOLUME CONTROL
5. (a) Applicable Construction Code Section III 19 71 Edition, w72 Addenda, None Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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)
RADIAL SEAL PLATE	AIRCO VIKING	818398-80-AA	198	1CV01PA- S/N:49770	1976	REPLACED	NO
THRUST SEAL PLATE	AIRCO VIKING	818398-34-AC	198	1CV01PA- S/N:49770	1976	REPLACED	NO
SEAL PLATE	FLOWERVE CORP	RLSA06409 S/N 1	N/A	1CV01PA- S/N:49770	2004	REPLACEMENT	NO
SEAL PLATE	FLOWERVE CORP	RLSA06409 S/N 2	N/A	1CV01PA- S/N:49770	2004	REPLACEMENT	NO

7. Description of Work REPLACE BOTH RADIAL & THRUST SEAL PLATES TO ACCOMMODATE NEW SPLIT SEALS.
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 2700 psi Test Temp. 78 °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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**(Back)**

9. Remarks Work Order 00719871-01

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] RPR Coord  
Owner or Owner's Designee, Title

Date 5/12, 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 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 12/16/04 to 5/13/05, 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

146-1254  
National Board, State, Province, and Endorsements

Date

May 13, 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 Date 03/03/05  
4300 Winfield Rd. Warrenville, IL 60555  
 Name Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01  
4450 N. German Church Rd. Byron, IL 61010  
 Name Address Work Order 00719871-01  
 Repair Organization P.O., Job No., etc
3. Work Performed By Byron Mechanical Maintenance  
4450 N. German Church Rd. Byron, IL 61010  
 Address Type Code Symbol Stamp Not Applicable  
 Authorization No. Not Applicable  
 Expiration Date Not Applicable
4. Identification of System CV- CHEMICAL & VOLUME CONTROL
5. (a) Applicable Construction Code Section III 19 71 Edition, w72Addenda, None Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 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)
RADIAL SEAL HOUSING	AIRCO VIKING	69430-96-AA	198	1CV01PA- S/N:49770	1976	REPLACED	NO
THRUST SEAL HOUSING	AIRCO VIKING	69430-104-AA	198	1CV01PA- S/N:49770	1976	REPLACED	NO
RADIAL SEAL HOUSING	FLOWSERVE CORP	RLSA06328	N/A	1CV01PA- S/N:49770	2004	REPLACEMENT	NO
THRUST SEAL HOUSING	FLOWSERVE CORP	RLSA06329	N/A	1CV01PA- S/N:49770	2004	REPLACEMENT	NO

7. Description of Work REPLACE BOTH RADIAL & THRUST SEAL HOUSINGS TO ACCOMMODATE NEW SPLIT SEALS.

8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 2700 psi Test Temp. 78 °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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**(Back)**

9. Remarks Work Order 00719871-01

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 Carl  
Owner or Owner's Designee, Title

Date 5/12, 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 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 12/14/04 to 5/13/05, 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

122-1254  
National Board, State, Province, and Endorsements

Date

May 13, 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 3-23-05  
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. 00793536-01  
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 [CV] CHEMICAL AND VOLUME CONTROL  
 5. (a) Applicable Construction Code Section III 19 71 Edition, W/72 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)
VALVE	KEROTEST	S/N N01-17	9607	1CV8368B	1976	REPAIR	YES

7. Description of Work REPAIR LEAKING SEAL WELD  
 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# 00793536-01

Applicable Manufacturer's Data Reports to be attached

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this 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 A. Sibley RRR COORDINATOR

Owner or Owner's Designee, Title

Date 3-29, 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 3/22/05 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 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

121-1254  
National Board, State Province, and Endorsements

Date March 29, 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 3/16/05  
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. 98120699-01  
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 CV – Chemical Volume Control
5. (a) Applicable Construction Code ASME Section III 1971 Edition, S/72 Addenda, NONE Code Case \_\_\_\_\_  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 1989
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" Relief Valve	Crosby	N56901-00-0007	N/A	1CV8119	1975	Replaced	YES
2" Relief Valve	Crosby	N56901-00-0024	N/A	Cat ID 43644	1978	Replacement	YES

7. Description of Work Replace relief valve per PM program
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 150 psig Test Temp. 110 °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.

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FORM NIS-2 (Back)

9.

Remarks: Relief valve replaced per WO 98120699-01.

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. Libby, RRR COORDINATOR

Owner or Owner's Designee, Title

Date

4-26, 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 3/15/00 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

122-1254

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 01/31/05  
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. 00354570-01  
Address 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. Authorization No. Not Applicable  
Address Expiration Date Not Applicable
4. Identification of System DG - LUBE OIL
5. (a) Applicable Construction Code Section III 19 74 Edition, S76 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)
RELIEF VALVE	CROSBY	N60542-00-0006	N/A	1DG5030B	1978	REPLACED	YES
RELIEF VALVE	CROSBY	N60542-00-0015	N/A	CAT ID # 0000019979 1DG5030B	2002	REPLACEMENT	YES

7. Description of Work REPLACE RELIEF VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
Other ☐ Pressure 7 psi Test Temp. 140 °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.

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FORM NIS-2 (Back)

9. Remarks Work Order No. 00354570-01

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 Card  
Owner or Owner's Designee, Title

Date 2/21, 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 10/25/02 to 2/21/05, 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

12L-1254

National Board, State Province, and Endorsements

Date Feb. 21, 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 7-16-04  
Name  
4300 Winfield Rd., Warrenville, IL, 60555 Sheet 1 of 1  
Address
2. Plant Byron Nuclear Power Station Unit 02  
Name  
4450 N. German Church Road, Byron, IL. Purchase Order # 0075082  
Address
3. Work Performed by Energy Steel & Supply Co. Type Code Symbol Stamp NPT  
Name Repair Organization, P.O. No., Job No., etc.  
2715 Paldan Drive, Auburn Hills, MI Authorization No. N-2928  
Address Expiration Date 6-21-05
4. Identification of System Service Water (SW) - DG SPARE
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, None Code Case 416-2\*  
 (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)
Jacket Water Channel	Penn Iron Works	9921-2	438	N/A	2004	Replaced	Yes
Jacket Water Channel	Energy Steel	HT# U1900, Slab 9A, HC# K14	N/A	Rib Plate	2004	Replacement	No

7. Description of Work: Replace Rib Plate on Jacket Water Channel
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐
- N/A \* See Remarks 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.



9. Remarks Rib plate is not pressure retaining but is attached to a pressure-retaining component.

Applicable Manufacturer's Data Reports to be attached

\* Jacket Water Channel will be installed on Work Order 596755-01, VT-2 to be performed in accordance with Code

Case N-416-2.

### 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 Scott Esposito

Scott Esposito  
Owner or Owner's Designee, Title

Date 7-16, 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 7/9/04 to 7/16/04, 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.

Inspector's Signature

Commissions

121-1254

National Board, State Province, and Endorsements

Date July 16, 20 04

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- | 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) |
|---------------------------|------------------------|-------------------------|--------------------|--|------------|------------------------------------|-------------------------------|
| Jacket Water Cooler Cover | Cooper Energy Services | NBN 33533-1             | N/A                | JW Cooler S/N 9-20003-06-5<br>Cat ID 1390433-1 | 1979       | Repaired                           | No                            |
| Jacket Water Cooler Cover | Cooper Energy Services | NBN 33537-1             | N/A                | JW Cooler S/N 9-20003-07-5<br>Cat ID 1390433-1 | 1979       | Repaired                           | No                            |
| Jacket Water Cooler Cover | Cooper Energy Services | NBN 33537-2             | N/A                | JW Cooler S/N 9-20003-07-5<br>Cat ID 1390433-1 | 1979       | Repaired                           | No                            |
| Jacket Water Cooler Cover | Cooper Energy Services | NBN 33538-2             | N/A                | JW Cooler S/N 9-20003-07-6<br>Cat ID 1390433-1 | 1979       | Repaired                           | No                            |
|                           |                        |                         |                    |  |            |                                    |                               |
|                           |                        |                         |                    |  |            |                                    |                               |
|                           |                        |                         |                    |  |            |                                    |                               |

- 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 Purchase Order No. 00084875

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 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 5/17, 20 05  
[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 5/3/05 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 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 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 2/2/05  
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. 00734956-01**  
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 [DO] DIESEL OIL
5. (a) Applicable Construction Code Section III 19 77 Edition, S/77 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)
RELIEF VALVE	CROSBY VALVE	N62578-00-0012	N/A	ETN:1DO20B	1980	REPLACED	YES
RELIEF VALVE	CROSBY VALVE	N62578-00-0013	N/A	CAT ID # 27081 ETN:1DO20B	1980	REPLACEMENT	YES

7. Description of Work REPLACE RELIEF VALVE WITH NEW BENCH TESTED RELIEF VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 30.5 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. 00734956-01**

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

DRS RRR Coord  
Owner or Owner's Designee, Title

Date

2/8, 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 11/29/04 to 2/8/05, 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.

DRS  
Inspector's Signature

Commissions

111-1254  
National Board, State Province, and Endorsements

Date

Feb. 8, 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 11/11/04  
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. 00628982-01  
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 FIRE PROTECTION [FP]
5. (a) Applicable Construction Code Section III 19 74 Edition, W76 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: 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	ANDERSON GREENWOOD	A-4226	N/A	EPN 0FP378	1978	REPLACED	YES
VALVE	ANDERSON GREENWOOD	N24351	N/A	CAT ID# 25887 EPN 0FP378	1988	REPLACEMENT	YES

7. Description of Work REPLACE VALVE WITH A NEW LIKE-FOR-LIKE VALVE
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 175 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. 00628982-01

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 12/21, 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 H.S.B. CT. of Hartford, CT. have inspected the components described in this Owner's Report during the period 11/10/03 to 12/29/04, 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

111-1254

National Board, State Province, and Endorsements

Date Dec. 29, 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 03/01/04  
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. 00402733-01  
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 [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: 6 HT: 99730	N/A	ETN;1MS018A VLV S/N: 70-117591	1991	REPLACED	YES
PLUG	FLOW SERVE	S/N: Q0092-50-1	N/A	ETN;1MS018A CAT ID# 29378	2003	REPLACEMENT	YES

7. Description of Work REPLACEMENT OF VALVE PLUG - 1MS018A
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 00402733-01

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 Card  
Owner or Owner's Designee, Title

Date

7/24/04, 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 1/15/04 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

122-1254

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 3/18/05  
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 Request No. 00543636-01  
Address
3. Work Performed by NWS Technologies, LLC Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp VR/NR  
131 Venture Boulevard, Spartanburg, SC 29306 Authorization No. 632/81  
Address Expiration Date April 3, 2006/April 9, 2006
4. Identification of System MS (MAIN STEAM)
5. (a) Applicable Construction Code Section III 19 74 Edition, N/A Addenda, N/A 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)
DISC, VALVE	DRESSER IND. VALVE	G/E/AAF56	N/A	EPN: 1MS015A	1977	REPLACED	NO
DISC, VALVE	DRESSER IND. VALVE	ADG24	N/A	CAT. ID# 0000016492	2001	REPLACEMENT	YES

7. Description of Work Vendor rebuilt valve, including disc replacement
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 W/O# 00678355-01, see attached NVR-1 for description of vendor work activities.

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 G. Silver RRR COORDINATOR  
Owner or Owner's Designee, Title

Date 3-30, 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 9/20/04 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

111-1254

National Board, State Province, and Endorsements

Date April 1, 2005

**FORM NVR-1 REPORT OF REPAIR ☒ REPLACEMENT ☒  
OF NUCLEAR PRESSURE RELIEF DEVICES**

WD 00543636-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00083250 Rev. 1  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Exelon Corporation, Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Exelon Corporation,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Main Steam Safety Valve  
b: Name of manufacturer: Consolidated / Dresser  
c: Identifying nos.
- |                       |                         |                |            |                 |              |            |
|-----------------------|-------------------------|----------------|------------|-----------------|--------------|------------|
|                       | <u>3707R</u>            | <u>BR09598</u> | <u>n/a</u> | <u>steam</u>    | <u>6"</u>    | <u>77</u>  |
|                       | (type)                  | (mfr's S/N)    | (NB#)      | (service)       | (size)       | (yr.built) |
| d: Construction Code: | <u>ASME Section III</u> | <u>1974</u>    | <u>n/a</u> | <u>n/a</u>      | <u>2</u>     |            |
|                       | (name/section/division) | (edition)      | (addenda)  | (Code Cases(s)) | (Code Class) |            |
6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a  
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a  
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1974 n/a n/a  
(edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1205 psig  
Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, cleaned, inspected,  
lapped nozzle & passivated seat area, installed anti-guide-movement modification EC#340678, installed  
anti-vibration-modification EC#339376, installed pre-oxidized X750 disc, assembled. Certified set-pressure  
and seat tightness using steam.
12. Remarks: New disc s/n ADG24 installed. NWS Traveler # 05-34.

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.  
National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

3/9/05 NWS Technologies, LLC Cesar V. Sierra Manager, QA  
Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 9 MAR. 2005 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

3/9/05 Charles F. Toegel Jr. NB # 8462, A, N, I NC# 1073  
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

FOR INFORMATION ONLY

HSB-ANII

3/13/05

-- 110761

**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 3/17/05  
Name  
4300 Winfield Rd. Warrenville, IL 60555  
Address
2. Plant Byron Nuclear Power Station Sheet 1 of 2  
Name  
4450 N. German Church Road, Byron, IL. Unit 01  
Address Work Request No. 00627648-01
3. Work Performed by NWS Technologies, LLC Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp VR / NR  
131 Venture Blvd, Spartanburg, SC 29306 Authorization No. 632 / 81  
Address Expiration Date 4-3-06 / 4-9-06
4. Identification of System MS MAIN STEAM
5. (a) Applicable Construction Code Section III 19 74 Edition, N/A 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: 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)
DISC, VALVE	DRESSER IND. VALVE	AAN00	N/A	1MS017C S/N BRO9608	1981	REPLACED	NO
DISC, VALVE	DRESSER IND. VALVE	ADG15	N/A	1MS017C CAT. ID# 0000016492	2001	REPLACEMENT	YES

7. Description of Work REPLACE VALVE DISC - 1MS017C
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 W/O# 00627648-01, see attached Form NVR-1.

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. Sims, RRR COORDINATOR  
Owner or Owner's Designee, Title

Date 4-7, 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 5/18/04 to 4/7/05, 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

121-1254  
National Board, State Province, and Endorsements

Date April 7, 2005

**FORM NVR-1 REPORT OF REPAIR ☒ REPLACEMENT ☒**  
**OF NUCLEAR PRESSURE RELIEF DEVICES**

WD 00627648-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00083250 Rev. 1  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Exelon Corporation, Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Exelon Corporation,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Main Steam Safety Valve  
b: Name of manufacturer: Consolidated / Dresser  
c: Identifying nos.
- |                       |                         |                |            |                 |              |            |
|-----------------------|-------------------------|----------------|------------|-----------------|--------------|------------|
|                       | <u>3707R</u>            | <u>BR09608</u> | <u>n/a</u> | <u>steam</u>    | <u>6"</u>    | <u>77</u>  |
|                       | (type)                  | (mfr's S/N)    | (NB#)      | (service)       | (size)       | (yr.built) |
| d: Construction Code: | <u>ASME Section III</u> | <u>1974</u>    | <u>n/a</u> | <u>n/a</u>      | <u>2</u>     |            |
|                       | (name/section/division) | (edition)      | (addenda)  | (Code Cases(s)) | (Code Class) |            |
6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a  
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a  
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1974 n/a n/a  
(edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1175 psig  
Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, cleaned, inspected,  
lapped nozzle & passivated seat area, installed anti-guide-movement modification EC#340678, installed  
pre-oxidized X750 disc, assembled.  
Certified set-pressure and seat tightness using steam.
12. Remarks: New disc s/n ADG15 installed. NWS Traveler # 05-37.

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.

National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

3/9/05 NWS Technologies, LLC [Signature] Manager, QA  
Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 9 MAR. 2005 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

3/9/05 [Signature] NB # 8462, A, N, I NC# 1073  
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

HSB-ANII  
3/9/05

-- 110761

**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 3/17/05  
Name  
4300 Winfield Rd. Warrenville, IL. 60555  
Address
2. Plant Byron Nuclear Power Station Unit 01  
Name  
4450 N. German Church Road, Byron, IL.  
Address
3. Work Performed by NWS Technologies, LLC Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp VR/NR  
Address Authorization No. 632/81  
131 Venture Blvd, Spartanburg, SC 29306 (See Remarks) Expiration Date 4/3/06 / 4/9/06
4. Identification of System MS - MAIN STEAM
5. (a) Applicable Construction Code Section III 19 74 Edition, N/A Addenda, N/A (VALVE) Code Case  
1974 S/75 N/A (PIPE)  
(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)
DISC, VALVE	DRESSER IND. VALVE	ADB69	N/A	EPN:1MS015D	2000	REPLACED	YES
DISC, VALVE	DRESSER IND. VALVE	ADG32	N/A	EPN:1MS015D	2001	REPLACEMENT	YES
ROD THREADED SA193/B7	TEXAS BOLT CO	KV-42 HT# 11260	N/A	EPN:1MS015D	1981	REPLACED	NO
ROD THREADED SA193/B7	NOVA MACH. PROD.	HT CODE D422 HT# 13853	N/A	EPN:1MS015D	2002	REPLACEMENT	NO
NUT SA194 2H	TEXAS BOLT CO	KV-46 HT# Y12439	N/A	EPN:1MS015D	1981	REPLACED	NO
NUT SA194 2H	CARDINAL IND. PROD.	HT CODE 4 HT# 507699	N/A	EPN:1MS015D	1981	REPLACEMENT	NO

7. Description of Work REPLACE VALVE DISC & REPLACE INLET FLANGE STUD/NUTS
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.

This form has been electronically generated.



**FORM NIS-2 (Back)**

9. Remarks W/O# 00629713-01

Applicable Manufacturer's Data Reports to be attached

NOTE: Byron Mechanical Maintenance performed the replacement of the Inlet Studs/Nuts

Address: Byron Mechanical Maintenance 4450 N. German Church Rd, Byron IL 61010

**CERTIFICATE OF COMPLIANCE**

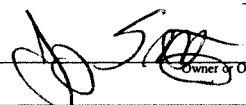
We certify that the statements made in the report are correct and this REPLACEMENT conforms to the rules of the ASME Code, Section XI. repair or replacement

Type Code Symbol Stamp NOT APPLICABLE

Certificate of Authorization No. NOT APPLICABLE

Expiration Date NOT APPLICABLE

Signed

 RRR Cook  
Owner or Owner's Designee, Title

Date

3/30, 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 H.S.B. CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 2/22/04 - 3/8/05 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.

  
Inspector's Signature

Commissions

166-1254  
National Board, State Province, and Endorsements

Date

April 1, 20 05

**FORM NVR-1 REPORT OF REPAIR ☒ REPLACEMENT ☒  
OF NUCLEAR PRESSURE RELIEF DEVICES**

WO 00629713-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00083250 Rev. 1  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Exelon Corporation, Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Exelon Corporation,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Main Steam Safety Valve  
 b: Name of manufacturer: Consolidated / Dresser  
 c: Identifying nos.
- |   |                |            |                 |              |            |
|---|----------------|------------|-----------------|--------------|------------|
| <u>3707R</u>                                  | <u>BR09601</u> | <u>n/a</u> | <u>steam</u>    | <u>6"</u>    | <u>77</u>  |
| (type)  | (mfr's S/N)    | (NB#)      | (service)       | (size)       | (yr.built) |
| d: Construction Code: <u>ASME Section III</u> | <u>1974</u>    | <u>n/a</u> | <u>n/a</u>      | <u>2</u>     |            |
| (name/section/division)                       | (edition)      | (addenda)  | (Code Cases(s)) | (Code Class) |            |
6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a  
 (edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a  
 (edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1974 n/a n/a  
 (edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1205 psig  
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, cleaned, inspected,  
lapped nozzle & passivated seat area, installed anti-guide-movement modification EC#340678, installed  
pre-oxidized X750 disc, assembled.  
Certified set-pressure and seat tightness using steam.
12. Remarks: New disc s/n ADG32 installed. NWS Traveler # 05-38.

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.  
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

3/9/05 NWS Technologies, LLC *Cesar V. Sierra* Manager, QA  
 Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 9 MAR. 2005 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

3/9/05 *Charles F. Toegel Jr.* NB # 8462, A, N, I NC# 1073  
 Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

HSB-ANII

*On 3/13/05*

-- 110761

**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 3/18/05  
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. 00645648-01**  
Address
3. Work Performed by NWS Technologies, LLC Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp VR/NR  
131 Venture Blvd, Spartanburg, SC 29306 Authorization No. 632/81  
Address Expiration Date 4/3/06 / 4/9/06
4. Identification of System MS MAIN STEAM
5. (a) Applicable Construction Code Section III 19 74 Edition, NO Addenda, N/A 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)
DISC, VALVE	DRESSER IND. VALVE	ADG19 ✓	N/A	1MS017A VLV S/N BR09606	2001	REPLACED	YES
DISC, VALVE	DRESSER IND. VALVE	ADG44 ✓	N/A	1MS017A VLV S/N BR09606	2001	REPLACEMENT	YES
SPRING	DRESSER IND. VALVE	D-10 ✓	N/A	1MS017A VLV S/N BR09606	1977	REPLACED	NO
SPRING	DRESSER IND. VALVE	44802-1 ✓	N/A	1MS017A VLV S/N BR09606	2004	REPLACEMENT	NO
SPRING WASHER	DRESSER IND. VALVE	6016027	N/A	1MS017A VLV S/N BR09606	1977	REPLACED	NO
SPRING WASHER	DRESSER IND. VALVE	HN#78799 ✓	N/A	1MS017A VLV S/N BR09606	2004	REPLACEMENT	NO
SPRING WASHER	DRESSER IND. VALVE	114711	N/A	1MS017A VLV S/N BR09606	1977	REPLACED	NO
SPRING WASHER	DRESSER IND. VALVE	HN#78799 ✓	N/A	1MS017A VLV S/N BR09606	2004	REPLACEMENT	NO

7. Description of Work REBUILD VALVE, REPLACE DISC, SPRING & WASHERS
8. Test Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒  
 Other ☐ Pressure 1071 psi Test Temp. 555 °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# 00645648-01

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

Date 3/30, 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 3/7/05 to 3/24/05, 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

12L-1254

National Board, State Province, and Endorsements

Date March 31, 2005

**FORM NVR-1 REPORT OF REPAIR ☒ REPLACEMENT ☒**  
**OF NUCLEAR PRESSURE RELIEF DEVICES**

WD 00645648-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00083250 Rev. 1  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Exelon Corporation, Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Exelon Corporation,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Main Steam Safety Valve  
 b: Name of manufacturer: Consolidated / Dresser  
 c: Identifying nos.
- |  | <u>3707R</u>            | <u>BR09606</u> | <u>n/a</u> | <u>steam</u>    | <u>6"</u>    | <u>77</u>  |
|--|-------------------------|----------------|------------|-----------------|--------------|------------|
|  | (type)                  | (mfr's S/N)    | (NB#)      | (service)       | (size)       | (yr.built) |
| d: Construction Code:  | <u>ASME Section III</u> | <u>1974</u>    | <u>n/a</u> | <u>n/a</u>      | <u>n/a</u>   | <u>2</u>   |
|  | (name/section/division) | (edition)      | (addenda)  | (Code Cases(s)) | (Code Class) |            |
| 6. ASME Code Section XI applicable for inservice inspection:   |                         | <u>1989</u>    | <u>n/a</u> | <u>n/a</u>      | <u>n/a</u>   |            |
|  |                         | (edition)      | (addenda)  | (Code Case(s))  |              |            |
| 7. ASME Code Section XI used for repairs, replacements:  |                         | <u>1989</u>    | <u>n/a</u> | <u>n/a</u>      | <u>n/a</u>   |            |
|  |                         | (edition)      | (addenda)  | (Code Case(s))  |              |            |
| 8. Construction Code used for repairs, replacements:   |                         | <u>1974</u>    | <u>n/a</u> | <u>n/a</u>      | <u>n/a</u>   |            |
|  |                         | (edition)      | (addenda)  | (Code Case(s))  |              |            |
| 9. Design responsibilities:  | <u>n/a</u>              |                |            |                 |              |            |
| 10. Opening pressure: <u>1175 psig</u><br>Set-pressure adjustment made at: <u>NWS Technologies, LLC</u> using <u>steam</u>   |                         |                |            |                 |              |            |
| 11. Description of work (include name and identifying number of replacement parts): <u>Disassembled, cleaned, inspected,</u><br><u>lapped nozzle &amp; passivated seat area, installed anti-guide-movement modification EC#340678, installed</u><br><u>anti-vibration modification EC#339376, installed pre-oxidized X750 disc, replaced spring washers, assembled.</u><br><u>Certified set-pressure and seat tightness using steam.</u> |                         |                |            |                 |              |            |
| 12. Remarks: <u>New disc s/n ADG44 &amp; spring s/n 442802-1 installed. NWS Traveler # 05-35.</u>  |                         |                |            |                 |              |            |

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.  
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

3/9/05 NWS Technologies, LLC Charles F. Toegel Jr. Manager, QA  
 Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 9 MAR. 2005 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

3/9/05 Charles F. Toegel Jr. NB # 8462, A, N, I NC# 1073  
 Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

HSB-AMII

3/13/05

- - 110761

**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 03/17/05  
Name

4300 Winfield Rd. Warrenville, IL 60555  
Address

Sheet 1 of 1

2. Plant Byron Nuclear Power Station  
Name

Unit 01

4450 N. German Church Rd. Byron, IL 61010  
Address

**WORK ORDER 00732377-01**  
 Repair Organization P.O., Job No., etc

3. Work Performed By NWS Technologies, LLC

131 Venture Blvd, Spartanburg, SC 29306  
Address

Type Code Symbol Stamp VR, NR  
 Authorization No. 632 / 81  
 Expiration Date 04/03/06 / 04/09/06

4. Identification of System MS - MAIN STEAM

5. (a) Applicable Construction Code Section III 19 74 Edition, N/A Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
DISC, VLV.	DRESSER IND	ADG16	N/A	EPN:1MS017B	2001	REPLACED	YES
DISC, VLV.	DRESSER IND	ADG29	N/A	EPN:1MS017B CAT. ID.# 16492	2001	REPLACEMENT	YES

7. Description of Work REBUILD VALVE & TEST AT VENDOR, INSTALL NEW DISC MATERIAL,  
SB-637 INCONNEL X-750 MATERIAL

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 OWNER'S REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**  
**Back**

9. Remarks WO#00732377-01

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    Date 3/30, 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 12/2/04 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.

  
Inspector's Signature

Commissions

111-1254  
National Board, State, Province, and Endorsements

Date March 31, 20 05

**FORM NVR-1 REPORT OF REPAIR ☒ REPLACEMENT ☒**  
**OF NUCLEAR PRESSURE RELIEF DEVICES**

WO 00732377-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00083250 Rev. 1  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Exelon Corporation, Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Exelon Corporation,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Main Steam Safety Valve  
 b: Name of manufacturer: Consolidated / Dresser  
 c: Identifying nos.
- |                       |                         |                |            |                 |              |             |
|-----------------------|-------------------------|----------------|------------|-----------------|--------------|-------------|
|                       | <u>3707R</u>            | <u>BR09607</u> | <u>n/a</u> | <u>steam</u>    | <u>6"</u>    | <u>77</u>   |
|                       | (type)                  | (mfr's S/N)    | (NB#)      | (service)       | (size)       | (yr. built) |
| d: Construction Code: | <u>ASME Section III</u> | <u>1974</u>    | <u>n/a</u> | <u>n/a</u>      | <u>2</u>     |             |
|                       | (name/section/division) | (edition)      | (addenda)  | (Code Cases(s)) | (Code Class) |             |
6. ASME Code Section XI applicable for inservice inspection: 1989  
 (edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989  
 (edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1974  
 (edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1175 psig  
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, cleaned, inspected,  
lapped nozzle & passivated seat area, installed anti-guide-movement modification EC#340678, installed  
pre-oxidized X750 disc, assembled.  
Certified set-pressure and seat tightness using steam.
12. Remarks: New disc s/n ADG29 installed. NWS Traveler # 05-36.

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2006.  
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2006.

3/9/05 NWS Technologies, LLC [Signature] Manager, QA  
 Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler of CT of Hartford, CT have inspected the repair, modification or replacement described in this report on 9 MAR. 2005 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

3/9/05 [Signature] NB # 8462, A, N, I NC# 1073  
 Date Inspector's Signature HSB Commissions (NB (incl endorsements), jurisdiction, & no.)

3/13/05

- - 110761





## FORM NIS-2 (Back)

9. Remarks THIS NIS-2 IS BEING RESUBMITTED TO CORRECT THE REPLACEMENT VALVE DISC

Applicable Manufacturer's Data Reports to be attached

SERIAL NUMBER.

WO 990033305-01

## 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 ApplicableCertificate of Authorization No. Not ApplicableExpiration Date Not Applicable

Signed

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

Date 2/13, 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 3/16/00 to 2/13/04, 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 Feb. 13, 2004

**FORM NVR-1 REPORT OF REPAIR ☒ REPLACEMENT ☒  
OF NUCLEAR PRESSURE RELIEF DEVICES**

WD 490033305-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00017280 Rev. 002  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Commonwealth Edison Company, Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Commonwealth Edison Company,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Main Steam Safety Valve  
 b: Name of manufacturer: Consolidated / Dresser  
 c: Identifying nos.
- |  | <u>3707R</u><br>(type)                             | <u>BRO 9601</u><br>(mfr's S/N) | <u>n/a</u><br>(NB#)     | <u>steam</u><br>(service)     | <u>6"</u><br>(size)      | <u>77</u><br>(yr. built) |
|--|--|--------------------------------|-------------------------|-------------------------------|--------------------------|--------------------------|
| d: Construction Code:  | <u>ASME Section III</u><br>(name/section/division) | <u>1974</u><br>(edition)       | <u>n/a</u><br>(addenda) | <u>n/a</u><br>(Code Cases(s)) | <u>2</u><br>(Code Class) |                          |
| 6. ASME Code Section XI applicable for inservice inspection: |  | <u>1989</u><br>(edition)       | <u>n/a</u><br>(addenda) | <u>n/a</u><br>(Code Case(s))  |                          |                          |
| 7. ASME Code Section XI used for repairs, replacements:      |  | <u>1969</u><br>(edition)       | <u>n/a</u><br>(addenda) | <u>n/a</u><br>(Code Case(s))  |                          |                          |
| 8. Construction Code used for repairs, replacements:         |  | <u>1974</u><br>(edition)       | <u>n/a</u><br>(addenda) | <u>n/a</u><br>(Code Case(s))  |                          |                          |
9. Design responsibilities: n/a
10. Opening pressure: 1205 psig  
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, replaced disc,  
inspected, lapped, cleaned, lubricated, reassembled, set-pressure & tightness certified.
12. Remarks: New disc s/n ADB69 installed. NWS Traveler # 00-173.

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2003.  
 National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2003.

9/30/00 NWS Technologies, LLC [Signature] Manager, QA  
 Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler Inspection & Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on 30 SEPT 2000 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

9/30/00 [Signature] NB # 8462, A, N, I NC# 1073  
 Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction & no.)

HSB-ANII  
[Signature]

**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 10/06/00  
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 Request No. 990073554-01
3. Work Performed by NWS Technologies, LLC Repair Organization, P.O. No., Job No., etc.  
Name Type Code Symbol Stamp NR  
131 Venture Blvd, Spartanburg, SC 29306 Authorization No. NB-81  
Address Expiration Date 4/9/03
4. Identification of System MAIN STEAM [MS]
5. (a) Applicable Construction Code Section III 1974 Edition, No 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)
DISC	DRESSER INDUSTRIES	AAM29	N/A	1MS016A BRO9602	1979	REPLACED	NO
DISC	DRESSER VALVE DIV.	ADC07	N/A	1MS016A BRO9602	2000	REPLACEMENT	NO

7. Description of Work: REPLACE VALVE DISC - 1MS016A
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 THIS NIS-2 IS BEING RESUBMITTED TO CORRECT THE REPLACEMENT VALVE DISC

Applicable Manufacturer's Data Reports to be attached

SERIAL NUMBER.

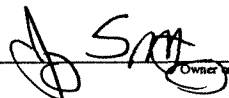
WO 990073554-01

## 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 ApplicableCertificate of Authorization No. Not ApplicableExpiration Date Not Applicable

Signed

 RRR  
Owner or Owner's Designee, Title

Date

2/13, 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 3/16/00 to 2/13/04, 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.

  
Inspector's Signature

Commissions

166-1254National Board, State Province, and Endorsements

Date

Feb. 13

, 20

04

**FORM NVR-1 REPORT OF REPAIR ☒ REPLACEMENT ☒  
OF NUCLEAR PRESSURE RELIEF DEVICES**

WO 990073554-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00017280 Rev. 002  
131 Venture Boulevard, Spartanburg, SC 29306
2. Work performed for: Commonwealth Edison Company, Byron Nuclear Station
- 3/4. Owner - name, address and identification of nuclear power plant: Commonwealth Edison Company,  
Byron Nuclear Station 4450 N. German Church Road Byron, IL 61010
5. a: Repaired pressure relief device: Main Steam Safety Valve  
 b: Name of manufacturer: Consolidated / Dresser  
 c: Identifying nos.
- |   |                 |            |                 |              |            |
|---|-----------------|------------|-----------------|--------------|------------|
| <u>3707R</u>                                  | <u>BRO 9602</u> | <u>n/a</u> | <u>steam</u>    | <u>6"</u>    | <u>77</u>  |
| (type)  | (mfr's S/N)     | (NB#)      | (service)       | (size)       | (yr.built) |
| d: Construction Code: <u>ASME Section III</u> | <u>1974</u>     | <u>n/a</u> | <u>n/a</u>      | <u>2</u>     |            |
| (name/section/division)                       | (edition)       | (addenda)  | (Code Cases(s)) | (Code Class) |            |
6. ASME Code Section XI applicable for inservice inspection: 1989 n/a n/a  
 (edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, replacements: 1989 n/a n/a  
 (edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, replacements: 1974 n/a n/a  
 (edition) (addenda) (Code Case(s))
9. Design responsibilities: n/a
10. Opening pressure: 1190 psig  
 Set-pressure adjustment made at: NWS Technologies, LLC using steam
11. Description of work (include name and identifying number of replacement parts): Disassembled, replaced disc,  
inspected, lapped, cleaned, lubricated, reassembled, set-pressure & tightness certified.
12. Remarks: New disc s/n ADC07 installed. NWS Traveler # 00-174.

**CERTIFICATE OF COMPLIANCE**

I, Cesar V. Sierra certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement of the pressure relief devices described above conforms to Section XI of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

National Board Certificate of Authorization No. 632 to use the "VR" stamp expires April 3, 2003.

National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2003.

9/30/00 NWS Technologies, LLC *Cesar V. Sierra* Manager, QA  
 Date Repair Organization Authorized representative Title

**CERTIFICATE OF INSPECTION**

I, Charles F. Toegel Jr. holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of North Carolina and employed by Hartford Steam Boiler Inspection & Insurance Co. of Hartford, CT have inspected the repair, modification or replacement described in this report on 30 SEPT. 2000 and state that to the best of my knowledge and belief, this repair, modification or replacement has been completed in accordance with Section XI of the of the ASME Code and the National Board Inspection Code "VR" and "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning this repair, modification or replacement described in this report. Furthermore, neither the undersigned nor my employer shall be liable in any manner for any personal injury, property damage or loss of any kind arising from or connected with this inspection.

9/30/00 *Charles F. Toegel Jr.* *CS-AN1* 55459  
 Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction, & no.)

NB # 8462/A, N, I NC# 1073

Commissions (NB (incl endorsements), jurisdiction, & no.)