

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

1. Owner Exelon Nuclear Date 9/18/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 01
 Name _____
4450 N. German Church Road, Byron, IL Work Order No. 99024446-01
 Address _____ Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
 Name _____ Authorization No. Not Applicable
36400 S. Essex Road, Wilmington, IL 60481 Expiration Date Not Applicable
 Address _____
4. Identification of System Chemical & Volume Control - CV
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S72 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
RELIEF VALVE, 3" x 4"	CROSBY VALVE & GAGE	N56897-00-0038	N/A	1CV8120	1992	Removed	YES
RELIEF VALVE, 3" x 4"	CROSBY VALVE & GAGE	N56897-00-0018	N/A	1CV8120	1976	Installed	YES

7. Description of Work REPLACE RELIEF VALVE FOR 1CV8120

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 18 psi Test Temp. 72 °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# 99024446-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Card Date 12/11, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/3/06 to 12/11/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Dec. 11, 20 06

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 05/18/05
 Name _____
4300 Winfield Road, Warrenville, IL 60555 Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 01
 Name _____
4450 N. German Church Road, Byron, IL 61010 Work Order No. 00437574-01
 Address _____ Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name _____ Authorization No. Not Applicable
4450 N. German Church Road, Byron, IL 61010 Expiration Date Not Applicable
 Address _____
4. Identification of System 1A DG - DIESEL GENERATOR
5. (a) Applicable Construction Code Section III 19 74 Edition, S/76 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 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)
3/4"-10 STUD	Cooper Energy Services	N/A	N/A	1DG01KA	1978	REPLACED	NO
3/4"-10 STUD	Nova Machine Products	HT: 223432 Code: K495	N/A	CAT. ID# 37094 1DG01KA	2004	REPLACEMENT	NO

7. Description of Work REPLACE 3/4"-10 STUD WITH LONGER ONE FOR THREAD ENGAGEMENT. ENGINE DRIVEN JACKET WATER PUMP SUCTION EXPANSION JOINT
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 N/A Other Pressure _____ psi Test Temp _____ °F

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

FORM NIS-2 (Back)

9. Remarks WO# 00437574-01

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] SAG RRR Coval Date 6/1, 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 5/12/05 to 6/2/05, 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 111-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: June 2, 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 5/18/05
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. 00596632-01
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 [DG] DIESEL GENERATOR
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 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)
UPPER JW FLTG HEAD	AMERICAN STANDARD	S/N:9-20003-06-1	32693	ETN: 1DG01KA-X1	1978	REPLACED	YES
UPPER JW FLTG HEAD	ENERGY STEEL & SUPPLY CO.	S/N:NPT31848-1	N/A	CAT ID 1406144 ETN: 1DG01KA-X1	2005	REPLACEMENT	YES
UPPER JW END CVR: FLTG	AMERICAN STANDARD	S/N:9-20003-06-1	32693	ETN: 1DG01KA-X1 EAST END	1978	REPLACED	YES
UPPER JW END CVR: FLTG	CONSOLIDATED POWER	S/N: NBN33537-1	N/A	CAT ID 1390433 ETN: 1DG01KA-X1	1979	REPLACEMENT	NO
UPPER JW END CVR: STA.	AMERICAN STANDARD	S/N:9-20003-06-1	32693	ETN: 1DG01KA-X1 WEST END	1978	REPLACED	NO
UPPER JW END CVR: STA. HD	CONSOLIDATED POWER	S/N: NBN33537-2	N/A	CAT ID 1390433 ETN: 1DG01KA-X1	1979	REPLACEMENT	NO

7. Description of Work REPLACE FLOATING CHANNEL HEAD AND END COVERS
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 6.7 psi Test Temp. 170 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order 00596632-01

Applicable Manufacturer's Data Reports to be attached

Five horizontal lines for handwritten remarks.

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] Owner or Owner's Designee, Title Coord Date 7/15, 2005

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/1/05 to 7/18/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date July 18, 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 5/18/05
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. 00596747-01
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 [DG] DIESEL GENERATOR
5. (a) Applicable Construction Code Section III 1974 Edition, S/75 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)
LOWER JW FLTG HEAD	AMERICAN STANDARD	S/N:9-20003-07-1	32694	ETN: 1DG01KA-X2	1978	REPLACED	YES
LOWER JW FLTG HEAD	ENERGY STEEL & SUPPLY CO.	S/N:NPT31848-2	N/A	CAT ID 1406144 ETN: 1DG01KA-X2	2005	REPLACEMENT	YES
LOWER JW END CVR: FLTG	AMERICAN STANDARD	S/N:9-20003-07-1	32694	ETN: 1DG01KA-X2 West End	1978	REPLACED	NO
LOWER JW END CVR: FLTG	ENERGY STEEL & SUPPLY CO.	S/N: NBN33533-1	N/A	CAT ID 1390433 ETN: 1DG01KA-X2	1979	REPLACEMENT	NO
LOWER JW END CVR: STA.	AMERICAN STANDARD	S/N:9-20003-07-1	32694	ETN: 1DG01KA-X2 East End	1978	REPLACED	NO
LOWER JW END CVR: STA.	ENERGY STEEL & SUPPLY CO.	S/N: NBN33538-2	N/A	CAT ID 1390433 ETN: 1DG01KA-X2	1979	REPLACEMENT	NO

7. Description of Work REPLACE STATIONARY, FLOATING, CHANNEL HEADS AND END COVERS
jsr 7/15/05 jsr 7/15/05
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 6.7 psi Test Temp. 170 °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 00596747-01

Applicable Manufacturer's Data Reports to be attached

Blank lines for handwritten remarks.

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 Date 7/15, 20 05

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/4/05 to 7/18/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 1854

Date July 18, 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 05/19/05
Exelon Nuclear
4300 Winfield Rd. Warrenville, IL 60555 Sheet 1 of 1
4300 Winfield Rd. Warrenville, IL 60555
Address

2. Plant Byron Nuclear Power Station Unit 01
Byron Nuclear Power Station
4450 N. German Church Rd. Byron, IL 61010 Work Order: 99157436-01
4450 N. German Church Rd. Byron, IL 61010 Repair Organization P.O., Job No., etc

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

4. Identification of System DIESEL GENERATOR [DG]

5. (a) Applicable Construction Code Section III 19 74 Edition, S/76 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)
2X3 RELIEF VLV	CROSBY	N60542-00-0013	N/A	1DG5030A	1997	REPLACED	YES
2X3 RELIEF VLV	CROSBY	N60542-00-0006	N/A	1DG5030A	1978	REPLACEMENT	YES

7. Description of Work REPLACE RELIEF VLV. WITH PRE-TESTED RELIEF VLV.-PM REQUIREMNT

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
Other Pressure 48 psi Test Temp. 144 °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#99157436-01
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     Date 5/31, 20 05
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State of Province of Illinois and employed by H.S.B. CT. of Hartford, CT. Have inspected the components described in this Owner's Report during the period 3/26/05 to 5/31/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions 1LL-1254
Inspector's Signature National Board, State, Province, and Endorsements

Date May 31, 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 5/17/05
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. 00734954-01**
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 1977 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	N62578-00-0009	N/A	ETN: 1DO020A	1980	Replaced	Yes
Relief Valve	Crosby Valve	N62578-00-0011	N/A	Cat Id# 1403705 ETN: 1DO020A	1980	Replacement	Yes

7. Description of Work Set point change, bench test and replace relief valve
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 33 psi Test Temp. 86 °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# 00734954-01

Applicable Manufacturer's Data Reports to be attached

Empty lines for additional remarks or manufacturer data reports.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

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

Date 5/30, 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 3/31/05 to 5/31/05, 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 May 31, 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 05/18/05
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. 00734957-01**
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)
Valve Complete	Crosby Valve	S/N: N62578-00-0014	N/A	ETN:1DO020C	1980	Replaced	Yes
Valve Complete	Crosby Valve	S/N: N62578-00-0012	N/A	ETN:1DO020C CAT ID# 1403705	1980	Replacement	Yes

7. Description of Work REPLACE RELIEF VALVE WITH NEW SETPOINT CHANGED RELIEF VALVE
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 33 psi Test Temp. 86 °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. Remarksw/o# 00734957-01

Applicable Manufacturer's Data Reports to be attached

Five horizontal lines for additional remarks or data reports.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Expiration Date Not Applicable

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

Date 5/30, 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 HSB CT. of Hartford, CT have inspected the components described in this Owner's Report during the period 5/13/05 to 5/31/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

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

Date May 31, 20 05

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

1. Owner Exelon Nuclear Date 4/02/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 01
 Name _____
4450 N. German Church Road, Byron, IL **Work Order No. 00782232-01**
 Address _____ Repair Organization, P.O. No., Job No., etc. _____
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name _____ Authorization No. Not Applicable
4450 N. German Church Road, Byron, IL Expiration Date Not Applicable
 Address _____
4. Identification of System FP - FIRE PROTECTION
 Section III 1974 Edition S74 Addenda - Replacement Strut
5. (a) Applicable Construction Code ASME Section III 1977 Edition, S/77 Addenda, 1644-8 Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) None
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
SWAY STRUT	ELGEN	2417	N/A	EPN:1FP39025X FIG. 420N	1982	REMOVED	Yes
SWAY STRUT	ANVIL PROD.	N/A	N/A	Cat.Id.:1406468 EPN:1FP39025X	2005	INSTALLED	Yes

7. Description of Work REPLACE SWAY STRUT 1FP39025X. REV.1 * WELD ON NEW END BRACKET THAT CAME WITH SWAY STRUT.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 VT-3 Other Pressure n/a psi Test Temp. n/a °F

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

FORM NIS-2 (Back)

9. Remarks 00782232-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ **Not Applicable**

Certificate of Authorization No. _____ **Not Applicable**

Signed Scott Esposito _____ Date 06/30, 20 06

Scott Esposito
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 6/1/05 to 7/6/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: July 6, 20 06

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

1. Owner Exelon Nuclear Date 09/20/06
Name
4300 Winfield Road, Warrenville, IL
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL Address Work Order No. 00793278-01
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
Name Authorization No. Not Applicable
36400 S. Essex Road, Wilmington, IL 60481 Address Expiration Date Not Applicable
Address
4. Identification of System FP (FIRE PROTECTION)
5. (a) Applicable Construction Code ASME Section III 1974 Edition, W75 Addenda, None Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE, CHECK 6"	ANDERSON GREENWOOD	A3753	N/A	1FP345	1981	REMOVED	YES
VALVE, CHECK 6" (Refurbed)	ANDERSON GREENWOOD	N25811	N/A	1FP345	1995	INSTALLED	YES
					<u>0AS</u> <u>11/20/06</u>		

7. Description of Work REPLACE CHECK VALVE 1FP345. ORIGINAL WELD NECK FLANGES AND BODY-TO-FLANGE BOLTING WERE RE-USED AND NOT REPLACED.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 151 psi Test Temp. 68 °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.

9. Remarks WORK ORDER 00793278-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David C. Niles, RRR COORDINATOR Date 10/20, 20 06

Owner or Owner's Designee, Title ONS 11/20/06

CERTIFICATE OF INSERVICE INSPECTION

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

9/2/06 to 11/20/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

[Signature]
Inspector's Signature

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

Date: Nov. 20, 20 06

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

1. Owner Exelon Nuclear Date 2/13/06
4300 Winfield Road, Warrenville, IL
Name Address
Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 00
4450 N. German Church Road, Byron, IL
Name Address
Work Order No. 00807090-01
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp **Not Applicable**
4450 N. German Church Road, Byron, IL Authorization No. **Not Applicable**
Address Expiration Date **Not Applicable**
4. Identification of System [FP] Fire protection [1-FP-2-N5]
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S/75 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda*
(c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPE 4"	Hunter Corp.	242749, 3137, LO3363	N/A	ETN: 0FPJ6A-4" FP-22-6	1984	Removed	NO
ELBOW 90 DEG (2)	Southwest Fabricating	9298	N/A	ETN: 0FPJ6A-4" FP-22-6	1979	Removed	NO
ELBOW 45 DEG	Hunter Corp.	AU6N	N/A	ETN: 0FPJ6A-4" FP-22-6	1984	Removed	NO
PIPE 4"	Consolidated Power supply	HT# U82949	N/A	CAT ID; 24993 ETN: 0FPJ6A-4"	2005	Installed	NO
ELBOW 90 DEG (2)	Consolidated Power supply	HT# P409A	N/A	CAT ID; 24615 ETN: 0FPJ6A-4"	2005	Installed	NO
ELBOW 45 DEG	Consolidated Power supply	HT# M064-49	N/A	CAT ID; 24730 ETN: 0FPJ6A-4"	2005	Installed	NO

7. Description of Work Replace section of 4" line no. 0FPJ6A
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 145 psi Test Temp. 75 °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 00807090-01

Applicable Manufacturer's Data Reports to be attached

*Note: Welds #3, 4, 5, 6 were fabricated prior to the 10-Year ISI Update (ASME Section XI 1989 ED). Welds #2 and 7 were fabricated after the 10-Year ISI Update (ASME Section XI 2001 Ed/2003 Ad). Post Maintenance Testing performed to ASME Section XI 2001 Ed/2003 Ad).

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] SMT RRR Coord Date 3/21, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/27/06 to 3/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: March 21, 20 06

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 11/11/05
 Name
4300 Winfield Road, Warrenville, IL 60555
 Address
 Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 00
 Name
4450 N. German Church Road, Byron, IL 61010
 Address
Work Order No. 00862599-01
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name
4450 N. German Church Road, Byron, IL 61010
 Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System [FP] Fire Protection
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, N/A 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)
6" Pipe Sch 40	SOUTHWEST FAB	S/N: 8240	N/A	ETN:OFPC2BA-6" MK# FP-14-4	1977	Replaced	Yes
6" Pipe Sch 40	Consolidated Pipe and Supply	Heat Code: X82519	N/A	ETN:OFPC2BA-6"	2004	Replacement	No
PIPE TO LUG WELDS	HUNTER CORP	N/A	N/A	ETN:OFPC2BA-6" M-1FP04025X	1983	Replaced	No
PIPE TO LUG WELDS	EXELON CORP	N/A	N/A	ETN:OFPC2BA-6" M-1FP04025X	2005	Replacement	No

7. Description of Work REPLACE PIPE SPOOL. REMOVE LUG FROM EXISTING PIPE AND INSTALL ON NEW PIPE.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 147 psi Test Temp AMBIENT °F

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

FORM NIS-2 (Back)

9. Remarks WO#00862599-01

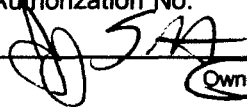
Applicable Manufacturer's Data Reports to be attached

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  SAA RRR Council Date Jan, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/4/05 to 1/30/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Jan. 30, 20 06

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 11/23/05
 Name _____
4300 Winfield Road, Warrenville, IL 60555
 Address _____
2. Plant Byron Nuclear Power Station Unit 00
 Name _____
4450 N. German Church Road, Byron, IL 61010
 Address _____
Work Order No. 00862599-11
 Repair Organization, P.O. No., Job No., etc. _____
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name _____
4450 N. German Church Road, Byron, IL 61010
 Address _____
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System [FP] Fire Protection
5. (a) Applicable Construction Code Section III 19 74 Edition, S/75 Addenda, N/A 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)
6" Pipe	SOUTHWEST FAB	S/N: 8237	N/A	ETN: 0FPC4A-6" MK#14-1	1977	Replaced	YES
6" Pipe	CONSOLIDATED POWER SUPPLY	HT: X82519 CODE: B4YZ	N/A	ETN: 0FPC4A-6"	2005	Replacement	NO
PIPE TO LUG WELD	HUNTER CORP	N/A	N/A	ETN:0FPC4A-6" M-1FP04035X MK#2A	1977	Replaced	NO
PIPE TO LUG WELD	EXELON CORP	N/A	N/A	ETN:0FPC4A-6" M-1FP04035X	2005	Replacement	NO

7. Description of Work REPLACE PIPE SPOOL. REMOVE LUG AND REINSTALL ON NEW PIPE

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 147 psi Test Temp AMBIENT °F

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

FORM NIS-2 (Back)

9. Remarks WO#00862599-11

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] S.A. RBB Coord Date 1/24, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/8/05 to 1/30/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Jan. 30, 20 06

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

1. Owner Exelon Nuclear Date 04/21/06
 Name
4300 Winfield Road, Warrenville, IL
 Address
 Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 00
 Name
4450 N. German Church Road, Byron, IL
 Address
Work Order No. 00908440-01
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name
4450 N. German Church Road, Byron, IL
 Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System [FP] Fire Protection
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S/75 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
6" pipe sch.40	SOUTHWEST FAB	S/N: 9074	N/A	ETN:OFFJ9A-6* FP-25-1	1977	Removed	YES
6" pipe sch.40	CONSOLIDATED POWER SUPPLY	HT#: X82519	N/A	Cat/id: 24417-1 ETN:OFFJ9A-6*	2006	Installed	NO
6" PIPE ELBOW 90 DEGREE 3 ea.	SOUTHWEST FAB	S/N: 9074	N/A	ETN:OFFJ9A-6* FP-25-1	1977	Removed	NO
6" PIPE ELBOW 90 DEGREE 1 ea.	SOUTHWEST FAB	S/N: 9074	N/A	ETN:OFFJ9A-6*	1977	Removed	NO
6" PIPE ELBOW 45 DEGREE 1 ea.	SOUTHWEST FAB	S/N: 9074	N/A	ETN:OFFJ9A-6* FP-25-1	1977	Removed	NO
6" PIPE ELBOW 90 DEGREE 4 ea.	CONSOLIDATED POWER SUPPLY	HT#: N862B	N/A	Cat/id: 24913-1 ETN:OFFJ9A-6*	2005	Installed	NO
6" PIPE ELBOW 45 DEGREE 1 ea.	CHICAGO BRIDGE & IRON	HT#: FH6W	N/A	Cat/id: 24914-1 ETN:OFFJ9A-6*	1993	Installed	NO
Pipe support saddle-lug weld	HUNTER CORP	HT. # 4G2087	N/A	ETN:OFFJ9A-6* M-1FP06042X	1980	Removed	NO
Pipe support saddle-lug weld	Exelon	N/A	N/A	ETN:OFFJ9A-6* M-1FP06042X	2006	Installed	NO

7. Description of Work REPLACE PIPE SPOOL AND FITTINGS. REMOVE PIPE SUPPORT SADDLE FROM REMOVED PIPE AND REINSTALL ON INSTALLED PIPE.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 VT-3 Other Pressure 170 psi Test Temp. 72.5 °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 W/O 00908440-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ **Not Applicable**

Certificate of Authorization No. _____ **Not Applicable**

Signed [Signature] _____ Date 5/15, 20 06
[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 4/7/06 to 5/17/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: May 17, 20 06

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

1. Owner Exelon Nuclear Date 04/21/06
Name
4300 Winfield Road, Warrenville, IL
Address
2. Plant Byron Nuclear Power Station Sheet 1 of 1
Name
4450 N. German Church Road, Byron, IL Unit 00
Address
Work Order No. 00911617-01
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Name
4450 N. German Church Road, Byron, IL Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System [FP] Fire Protection
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S/75 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
6" pipe sch.40	SOUTHWEST FAB	S/N: 9075	N/A	ETN:OFPJ9A-6" FP-25-2	1977	Removed	Yes
6" pipe sch.40	CONSOLIDATED POWER SUPPLY	HT #: X82519	N/A	Cat/id: 24417-1 ETN:OFPJ9A-6"	2006	Installed	NO
6" PIPE ELBOW 90 DEGREE	SOUTHWEST FAB	S/N: 9075	N/A	ETN:OFPJ9A-6" FP-25-2	1977	Removed	Yes
6" PIPE ELBOW 90 DEGREE	CONSOLIDATED POWER SUPPLY	HT #: N862B	N/A	ETN:OFPJ9A-6" Cat Id 24913	2005	Installed	NO
4" Pipe Stanchion	BARR-SAUNDERS	HT #: 164884	N/A	ETN:OFPJ9A-6" M-2FP11001A	1982	Removed	NO
4" Pipe Stanchion	CHICAGO TUBE & IRON	HT #: L21434 LOT: 1F4056	N/A	ETN:OFPJ9A-6" M-2FP11001A	1992	Installed	NO

7. Description of Work REPLACE PIPE SPOOL AND FITTINGS. REMOVE PIPE SUPPORT STEEL (IT#1) OF 2FP11001A FROM REMOVED PIPE AND REPLACE WITH NEW.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
VT-3 Other Pressure 170 psi Test Temp. 72.5 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00911617-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Cook Date 5/18, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/14/06 to 5/18/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 12L-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: May 19, 20 06

DOCUMENT NO.: 4.1

REV. NO.: 0

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

- 1. Owner Exelon Nuclear, Date 9/17/06, Sheet 1 of 1
2. Plant Byron Nuclear Power Station, Unit 01, Work Order No. 00634888-01
3. Work Performed by NWS Technologies LLC, Type Code Symbol Stamp VR, NR
4. Identification of System MS-MAIN STEAM -1MS013D
5. (a) Applicable Construction Code ASME Section III 1974 Edition, (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
6. Identification of Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Corrected, Removed, or Installed, ASME Code Stamped (Yes or No). Rows include DISC, VALVE entries from DRESSER IND.

7. Description of Work REFURBISH THE VALVE & TEST AT VENDOR. INSTALL NEW DISC (CAT ID 16492) MATERIAL - SB-637 INCONEL X-750 MATERIAL PER EC 79123

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt [X]
Other [] Pressure N/A psi Test Temp. N/A °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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# 00634888-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] Date 11/21, 20 06

RRR Coord
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 2/27/06 to 11/22/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 22, 20 06

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

WO 00634888-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00415135
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> (type)	<u>BR09593</u> (mfr's S/N)	<u>n/a</u> (NB#)	<u>steam</u> (service)	<u>6"</u> (size)	<u>77</u> (yr. built)
d: Construction Code:	<u>ASME Section III</u> (name/section/division)	<u>1974</u> (edition)	<u>n/a</u> (addenda)	<u>n/a</u> (Code Cases(s))	<u>2</u> (Code Class)	

6. ASME Code Section XI applicable for inservice inspection: 2001 (edition) 2003 (addenda) n/a (Code Case(s))

7. ASME Code Section XI used for repairs, replacements: 2001 (edition) 2003 (addenda) n/a (Code Case(s))

8. Construction Code used for repairs, replacements: 1974 (edition) n/a (addenda) n/a (Code Case(s))

9. Design responsibilities: n/a

10. Opening pressure: 1235 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,
tapped 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 ADG27 installed. NWS Traveler # 06-237.

CERTIFICATE OF COMPLIANCE

I, Brad M. Schulte 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, 2009.

National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2009.

9/17/06 NWS Technologies, LLC [Signature] Vice President
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 17 SEPT. 2006 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.

9/17/06 [Signature] NB # 8462, A, N, I NC# 1073
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction & no.)

9/17/06

DOCUMENT NO.: 4.1

REV. NO.: 0

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

1. Owner Exelon Nuclear Date 9/17/06
Name
4300 Winfield Road, Warrenville, IL
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL
Address Work Order No. 00634890-01
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by NWS Technologies LLC Type Code Symbol Stamp VR, NR
Name Authorization No. 632, 81
131 Venture Blvd, Spartanburg, SC 29306 Address Expiration Date 4/3/09, 4/9/09
4. Identification of System MAIN STEAM [MS]
5. (a) Applicable Construction Code ASME Section III 1974 Edition, N/A Addenda, NONE Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
DISC, VALVE	DRESSER IND.	AAM26 HT: 1G2411	N/A	EPN: 1MS013B S/N: BR09591	1980	REMOVED	NO
DISC, VALVE	DRESSER IND.	ADG37 HT: 68787	N/A	EPN: 1MS013B Cat ID#-16492	2001	INSTALLED	NO

7. Description of Work REFURBISH THE VLV & TEST AT VENDOR. INSTALL NEW DISC (CID 16492) MAT'L-SB637 INCONEL X-750 PER EC 79123.

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

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

FORM NIS-2 (Back)

9. Remarks WO# 00634890-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] Date 11/21, 20 06

RRR Ceach
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 11/14/06 to 11/22/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 22, 20 06

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

WO 00634890-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00415135
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>BR09591</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: 2001 2003 n/a

7. ASME Code Section XI used for repairs, replacements: 2001 2003 n/a

8. Construction Code used for repairs, replacements: 1974 n/a n/a

9. Design responsibilities: n/a

10. Opening pressure: 1235 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, tapped 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 ADG37 installed. NWS Traveler # 06-236.

CERTIFICATE OF COMPLIANCE

I, Brad M. Schulte 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, 2009.

National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2009.

9/17/06 NWS Technologies, LLC [Signature] Vice President
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 17 SEP. 2006 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. Futhermore, 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.

9/17/06 [Signature] NB # 8462, A, N, I NC# 1073
Date Inspector's Signature Commissions (NB (incl endorsements), jurisdiction & no.)

9/17/06

FORM NIS-2 (Back)

9. Remarks WO# 00645649-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 11/21, 20 06

[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 2/22/06 to 11/22/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 22, 20 06

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

WO 00645649-01

1. Work performed by: NWS Technologies, LLC Purchase Order # 00415135
131 Venture Boulevard, Spartanburg, SC 29308
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>BR09609</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: | | <u>2001</u> | <u>2003</u> | <u>n/a</u> | | |
| | | (edition) | (addenda) | (Code Case(s)) | | |
| 7. ASME Code Section XI used for repairs, replacements: | | <u>2001</u> | <u>2003</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> | | |
| | | (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
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 ADG30 installed. NWS Traveler # 06-238.

CERTIFICATE OF COMPLIANCE

I, Brad M. Schulte 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, 2009.

National Board Certificate of Authorization No. 81 to use the "NR" stamp expires April 9, 2009.

9/17/06
Date

NWS Technologies, LLC
Repair Organization

[Signature]
Authorized representative

Vice President
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 17 SEPT. 2006 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.

9/17/06
Date

[Signature]
Inspector's Signature

NB # 8462, A, N, I NC# 1073
Commissions (NB (incl endorsements), jurisdiction & no.)

9/19/06

DOCUMENT NO.:

REV. NO.:

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

As Required by the Provisions of the ASME Code Section XI

- 1. Owner Exelon Nuclear Date 09/18/06
 Name
4300 Winfield Road, Warrenville, IL
 Address
- 2. Plant Byron Nuclear Power Station Unit 01
 Name
4450 N. German Church Road, Byron, IL
 Address
 Work Order No. 731035-01
 Repair Organization, P.O. No., Job No., etc.
- 3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
 Name
36400 S. Essex Road, Wilmington, IL 60481
 Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
- 4. Identification of System MAIN STEAM
- 5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, 1644 Rev. 7,
1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
 (c) Section XI Code Case(s) NONE
- 6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIVOT PIN	GRINNELL	N/A	N/A	1MS08007S2	N/A	Removed	NO
TAPERED PIN	ANVIL	N/A	N/A	CAT ID 1396339	N/A	Installed	NO

7. Description of Work REPLACED PIVOT PIN WITH TAPERED PIN

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

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

FORM NIS-2 (Back)

9. Remarks WO 731035-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed *Auto Enroute* Date 9-26, 20 06

Owner of 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 9/16/06 to 9/26/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Sept. 26, 20 06

(Final)

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

1. Owner Exelon Nuclear Date 9/27/06
Name
4300 Winfield Road, Warrenville, IL
Address
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL
Address
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
Name
36400 S. Essex Road, Wilmington, IL 60481
Address
4. Identification of System REACTOR COOLANT [RC]
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S74 Addenda, NONE Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
UPPER OIL COOLER	PERFEX DIV.	875201-2	5722	1RC01PC-M S/N: 3S-84P740	1976	REMOVED	YES
UPPER OIL COOLER	PERFEX DIV	900401-1	5960	1RC01PC-M S/N: 4S-84P741	1978	INSTALLED	YES
LOWER OIL COOLER	IONICS INC.	7512/13-12	412	1RC01PC-M S/N: 3S-84P740	1976	REMOVED	YES
LOWER OIL COOLER	IONICS INC.	8062/63-2	529	1RC01PC-M S/N: 4S-84P741	1978	INSTALLED	YES

7. Description of Work Replace 1C Reactor Coolant Pump Motor Assembly 3S-84P740 with Refurbished Motor Assembly 4S-84P741. Motor Assemblies include upper and lower oil coolers.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 132 psi Test Temp. 75 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order 00792236-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] S/A RRR Coord Date 11/13, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/6/06 to 11/13/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: November 13, 20 06

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

1. Owner Exelon Nuclear Date 3/13/06
4300 Winfield Road, Warrenville, IL 60555
 Name Address
 Sheet 1 of 4
2. Plant Byron Nuclear Power Station Unit 00
4450 N. German Church Road, Byron, IL 61010
 Name Address
 Purchase Order No. 00083172 Release 00002
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
PO Box 355 Pittsburgh PA 15230-0355
 Name Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System Reactor Coolant [RC] - Spare Reactor Coolant Pump Motor Oil Coolers
W76 Upper Oil Cooler
5. (a) Applicable Construction Code Section III 1974 Edition, S74 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 2001 Ed/2003 Ad
 (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	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Upper Oil Cooler Top End Cover Studs (12)	Perfex Division	n/a	n/a	S/N 900401-1	1978	Removed	No
Upper Oil Cooler Top End Cover Studs (12)	Nova Machine Products	HT: 230111 HT Code: 86E	n/a	S/N 900401-1	2005	Installed	No
Upper Oil Cooler Top End Cover Nuts (24)	Perfex Division	n/a	n/a	S/N 900401-1	1978	Removed	No
Upper Oil Cooler Top End Cover Nuts (24)	Nova Machine Products	HT: 7220464 HT Code: 86E	n/a	S/N 900401-1	2005	Installed	No
Upper Oil Cooler Btm End Cover Studs (12)	Perfex Division	n/a	n/a	S/N 900401-1	1978	Removed	No
Upper Oil Cooler Btm End Cover Studs (12)	Nova Machine Products	HT: 23011 HT Code: 86E	n/a	S/N 900401-1	2005	Installed	No
Upper Oil Cooler Btm Cover Nuts (24)	Perfex Division	n/a	n/a	S/N 900401-1	1978	Removed	No
Upper Oil Cooler Btm Cover Nuts (24)	Nova Machine Products	HT: 7220464 HT Code: 86E	n/a	S/N 900401-1	2005	Installed	No

7. Description of Work Replace Bolting on Upper Oil Cooler S/N 900401-1 and Lower Oil Cooler S/N 8062/63-2 for Spare Reactor Coolant Pump Motor S/N 4S-84P741.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 N/A Other Pressure N/A psi Test Temp N/A °F

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

FORM NIS-2 (Back)

9. Remarks Purchase Order No. 00083172 Release 00002
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] SAG RRR GOOD Date 8/15, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/21/06 to 8/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: August 21, 20 06

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner Exelon Nuclear Date 03/13/06
 Name
4300 Winfield Road, Warrenville, IL 60555
 Address
2. Plant Byron Nuclear Power Station Unit 00
 Name
4450 N. German Church Road, Byron, IL 61010
 Address
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
 Name
PO Box 355 Pittsburgh PA 15230-0355
 Address
4. Identification of System Reactor Coolant [RC] - Spare Reactor Coolant Pump Motor Oil Coolers
W76 Upper Oil Cooler
5. (a) Applicable Construction Code Section III 1974 Edition, S74 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 2001 Ed/2003 Ad
 (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	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Upper Oil Clr Top Sta. Flange Studs (8)	Perfex Division	n/a	n/a	S/N 900401-1	1978	Removed	No
Upper Oil Clr Top Sta. Flange Studs (8)	Nova Machine Products	HT: 230111 HT Code: 86E	n/a	S/N 900401-1	2005	Installed	No
Upper Oil Clr Top Sta. Flange Studs for Drip Pan (4)	Chicago Tube & Iron	HT: 122Z245 Code: LIDE	n/a	S/N 900401-1	1981	Removed	No
Upper Oil Clr Top Sta. Flange Studs for Drip Pan (4)	Nova Machine Products	HT: 230111 Lot: 50046080	n/a	S/N 900401-1	2005	Installed	No
Upper Oil Clr Top Sta. Flange Nuts (24)	Perfex Division	n/a	n/a	S/N 900401-1 MJ-123	1978	Removed	No
Upper Oil Clr Top Sta. Flange Nuts for Drip Pan (4)	Chicago Tube & Iron	HT: 8867040 Code: LICC	n/a	S/N 900401-1	1981	Removed	No
Upper Oil Clr Top Sta. Flange Nuts (28)	Nova Machine Products	HT: 7220464 HT Code: 86E	n/a	S/N 900401-1	2004	Installed	No
Upper Oil Clr Btm Floating Flange Studs (12)	Perfex Division	n/a	n/a	S/N 900401-1	1978	Removed	No
Upper Oil Clr Btm Floating Flange Studs (12)	Nova Machine Products	HT: 230111 HT Code: 86E	n/a	S/N 900401-1	2005	Installed	No
Upper Oil Clr Btm Floating Flange Nuts (24)	Perfex Division	n/a	n/a	S/N 900401-1	1976	Removed	No
Upper Oil Clr Btm Floating Flange Nuts (24)	Nova Machine Products	HT: 7220464 HT Code: 86E	n/a	S/N 900401-1	2005	Installed	No

DOCUMENT NO.: 3.0

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 09/17/06, Name, Address, Sheet 1 of 1
2. Plant Byron Nuclear Power Station, Unit 01, Name, Address, Work Order No. 594992-01, Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE, Type Code Symbol Stamp Not Applicable, Authorization No. Not Applicable, Expiration Date Not Applicable, Name, Address
4. Identification of System Residual Heat
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S74 Addenda, 1644 Rev. 7, 1651, 1682, 1683, 1685, 1686, 1728, 1729, 1734, N-108, N-180 Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Corrected, Removed, or Installed, ASME Code Stamped (Yes or No). Rows include Snubber, PSA - (PSA-1/4) and Snubber, Lisega 3018.

7. Description of Work REPLACED SNUBBER

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt []
VT-3 Other [X] 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 594992-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed *Scott Lopez* Date 10-10, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/17/06 to 9/18/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions IL1546
Inspector's Signature National Board, State Province, and Endorsements

Date: 10/12, 20 06

(Final)

FORM NIS-2 (Back)

9. Remarks WO# 00792225-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Conrad Date 11/29, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1-3-06 to 11-30-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 30, 20 06

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

1. Owner Exelon Nuclear Date 9/18/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 02
 Name _____
4450 N. German Church Road, Byron, IL Work Order No. 911404-01
 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 RH – RESIDUAL HEAT REMOVAL
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
STUDS	REPUBLIC STEEL	HT #97674	N/A	1RH607	1979	REMOVED	NO
NUTS	CASTLE METALS	HT #6057647	N/A	1RH607	1998	REMOVED	NO
STUDS	Nova Machine Products	HT Code R460 HT: 7526262	N/A	CAT ID #44337 1RH607	2005	INSTALLED	NO
NUTS	Nova Machine Products	HT: Q2280A	N/A	CAT ID #30520 1RH607	2006	INSTALLED	NO

7. Description of Work REPLACE FLANGE STUDS AND NUTS DUE TO BORIC ACID CORROSION

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

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 911404-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ **Not Applicable**


Certificate of Authorization No. _____ **Not Applicable**

Signed  RRR Coord Date 11/21, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/16/06 to 11/22/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 22, 20 06

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 8-29-05
Name
4300 Winfield Rd. Warrenville, Il. 60555
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 0
Name
4450 N. German Church Road, Byron, Il. Purchase Order 00084690
Address
3. Work Performed by FLOWSERVE Repair Organization, P.O. No., Job No., etc.
Name Type Code Symbol Stamp Not Applicable
4816 Worth Pl. Charlotte, North Carolina Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System (RH) Residual Heat
5. (a) Applicable Construction Code Section III 19 74 Edition, S74 Addenda N528-1 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)
Locating Tabs on Stuffing Box Extension piece	Ingersoll Rand	91130	N/A	UTC 2714864 Ht. No. 8653166	1978	Replacement	No

7. Description of Work: Welded 8 locating tabs on Stuffing Box Extension piece, Cat ID# 1405802-1
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure None Required
 _____ 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 Facility Evaluation # 00040795

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

We certify that the statements made in the report are correct and 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 4-12, 20 06

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT. of Hartford, CT have inspected the components described in this Owner's Report during the period 6/23/05 to 4/12/06, 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 4/12, 20 06

DOCUMENT No.: 4.0

REV. No.: 0

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

As Required by the Provisions of the ASME Code Section XI

1. Owner Exelon Nuclear Date 9/27/06
Name
4300 Winfield Road, Warrenville, IL
Address

2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL
Address
Work Order No. 00783828 - 02
Repair Organization, P.O. No., Job No., etc.

3. Work Performed by Westinghouse Electric Company LLC Type Code Symbol Stamp Not Applicable
Name
PO Box 355, Pittsburgh, PA. 15230-0355
Address
Authorization No. Not Applicable
Expiration Date Not Applicable

4. Identification of System Pressurizer (RY)

5. (a) Applicable Construction Code (Vessel) ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case 1493-1, 1528
Applicable Construction Code (Pipe) ASME Section III 19 74 Edition, S75 Addenda, None Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) (*) N-504-2 and N-638-1 APPROVED BY NRC, RR I3R-08

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

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Corrected, Removed, or Installed, ASME Code Stamped (Yes or No). Row 1: 1RY01S, Surge Nozzle/DM Weld/Safe -End/SS Weld/Pipe, Westinghouse, PZR: 1721 Safe-End: Ht. # P71S Surge Line: 10350, W13580, 1RY11A-14*, 1RY01S, PN-01-SW1, 1976, Installed, YES.

7. Description of Work STRUCTURAL WELD OVERLAY ON PRESSURIZER SURGE NOZZLE PN-01-SW1, LINE No. 1RY11A-14

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] Exempt []
Other [] Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828 - 02
Applicable Manufacturer's Data Reports to be attached
(* Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable
Signed [Signature] R.R. COORDINATOR Date 12/11, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/5/06 to 12/11/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions NL-1254
Inspector's Signature National Board, State Province, and Endorsements
Date: Dec. 11, 20 06

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

1. Owner Exelon Nuclear Date 09/27/06
 Name
4300 Winfield Road, Warrenville, IL
 Address
2. Plant Byron Nuclear Power Station Unit 01
 Name
4450 N. German Church Road, Byron, IL
 Address Work Order No. 00783828-40
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
 Name
36400 S. Essex Road, Wilmington, IL 60481
 Address Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System Reactor Coolant Pressurizer (RY)
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S74 Addenda, See Remarks Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
FIG 295 6" Pipe Clamp Load Bolt (2)	Grinnell	N/A	N/A	1RY09045C	1984	REMOVED	NO
FIG 295 6" Pipe Clamp Load Bolt (2)	Anvil	HT RF8782	N/A	1RY09045C	2003	INSTALLED	NO
FIG 295 6" Pipe Clamp Hex Nuts (6)	Grinnell	N/A	N/A	1RY09045C	1984	REMOVED	NO
FIG 295 6" Pipe Clamp Hex Nuts (6)	Nova Machine Products	HT: 8994826	N/A	1RY09045C	2003	INSTALLED	NO
FIG 290 3/4" Weldless Eyunut	Grinnell	N/A	N/A	1RY09045C	1984	REMOVED	NO
FIG 290 3/4" Weldless Eyunut	Anvil	N/A	N/A	1RY09045C	2006	INSTALLED	NO
3/4" Threaded Support Rod	Grinnell	N/A	N/A	1RY09045C	1984	REMOVED	NO
3/4" Threaded Support Rod	Nova Machine Products	HT: 230941 Code: S213	N/A	1RY09045C	2004	INSTALLED	NO
3/4" Hex Nuts (2)	Grinnell	N/A	N/A	1RY09045C	1984	REMOVED	NO
3/4" Hex Nuts (2)	Nova Machine Products	HT: S67159	N/A	1RY09045C	2005	INSTALLED	NO

7. Description of Work REPLACE PIPE CLAMP LOAD BOLTS/HEX HUTS, SUPPORT ROD, EYENUT AND HEX NUTS.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 VT-3 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00783828-40

Applicable Manufacturer's Data Reports to be attached

Code Cases: 166 Rev 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180, N-108, N-222, N-225

N-38, 1690, N-242-1, and n-247

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Carol Date 12/21, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/20/06 to 12/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 166-1259
Inspector's Signature National Board, State Province, and Endorsements

Date: Dec. 21, 20 06

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

1. Owner Exelon Nuclear Date 9/27/06
Name
4300 Winfield Road, Warrenville, IL
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL
Address Work Order No. 00783828 - 45
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
Company LLC Name
PO Box 355, Pittsburgh, PA. 15230-0355 Address Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System Pressurizer (RY)
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case 1493-1, 1528
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity ASME Section III 19 74 Edition, S75 Addenda, None Code Case
(c) Section XI Code Case(s) 2001 Edition / 2003 Addenda
(* N-504-2 and N-638-1 APPROVED BY NRC, RR I3R-08
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	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Spray Nozzle/DM Weld/Safe-End/SS Weld/Concentric Reducer	Westinghouse	PZR: 1721 Safe-End: Ht. # P72S Spray Concentric Reducer: 91278-3	W13580	1RY01C-4", 1RY01S, PN-02-SW2	1976	Installed	YES

7. Description of Work STRUCTURAL WELD OVERLAY ON PRESSURIZER SPRAY NOZZLE, 1RY01S, PN-02-SW2/ LINE 1RY01C-4"

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828 - 45
Applicable Manufacturer's Data Reports to be attached
(*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable
Signed [Signature] RRR COORDINATOR Date 12/18, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/14/06 to 12/9/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the examinations and corrective measures described in this Owner's Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

[Signature] Commissions 122-1254
Inspector's Signature National Board, State Province, and Endorsements
Date: Dec. 19, 20 06

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

1. Owner Exelon Nuclear Date 9/27/06
Name
4300 Winfield Road, Warrenville, IL Address
Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL Address
Work Order No. 00783828 - 46
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
Company LLC Name
PO Box 355, Pittsburgh, PA. 15230-0355 Address
Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System Pressurizer (RY)
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case
(vessel) 1493-1,
1528
Applicable Construction Code (Pipe) ASME Section III 19 74 Edition, S75 Addenda, None Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) (*) N-504-2 and N-638-1 APPROVED BY NRC, RR 13R-08
6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Relief Nozzle/DM Weld/Safe -End/SS Weld/45° Elbow	Westinghouse	PZR: 1721 Safe-End: Ht. # P73S 45° Elbow: 61378-6	W13580	1RY02A-6", 1RY01S, PN-03-SW3	1976	Installed	YES

7. Description of Work **STRUCTURAL WELD OVERLAY ON PRESSURIZER SPRAY NOZZLE, 1RY01S, PN-03-SW3 - RELIEF NOZZLE - LINE 1RY02A-6". WELD OVERLAY HAD SEVERAL AREAS REQUIRING REPAIR DUE TO UNACCEPTABLE FLAWS. THESE FLAWS WERE REMOVED AND CORRECTED, W/O 783828 TASK 74.**

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828 - 46
Applicable Manufacturer's Data Reports to be attached
(*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable
Signed [Signature] RRA COORDINATOR Date 12/19, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/18/06 to 12/20/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions ILL-125A
Inspector's Signature National Board, State Province, and Endorsements
Date: Dec. 20, 20 06

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

1. Owner Exelon Nuclear Date 9/27/06
Name
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
Address
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL Work Order No. 00783828 - 47
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
Company LLC Name
PO Box 355, Pittsburgh, PA. 15230-0355 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System Pressurizer (RY)
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case
(vessel) 1493-1, 1528
Applicable Construction Code (Pipe) ASME Section III 19 74 Edition, S75 Addenda, None Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) (*) N-504-2 and N-638-1 APPROVED BY NRC, RR 13R-08
6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Safety "A" Nozzle/DM Weld/Safe - End/SS Weld/45° Elbow	Westinghouse	PZR: 1721 Safe-End: Ht. # P72S Safety "A" Elbow: 92378-9	W13580	1RY03AA-6", 1RY01S, PN-04-SW4	1976	Installed	YES

7. Description of Work **STRUCTURAL WELD OVERLAY ON PRESSURIZER, SAFETY NOZZLE PN-04-SW4- LINE 1RY03AA-6". WELD OVERLAY HAD SEVERAL AREAS REQUIRING REPAIR DUE TO UNACCEPTABLE FLAWS. THESE FLAWS WERE REMOVED AND CORRECTED, W/O 783828 TASK 73.**

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828 - 47
Applicable Manufacturer's Data Reports to be attached
(*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable
Signed [Signature] RRR COORDINATOR Date 12/20, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/19/06 to 12/20/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 111-1254
Inspector's Signature National Board, State Province, and Endorsements
Date: Dec. 20, 20 06

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

1. Owner Exelon Nuclear Date 9/27/06
Name
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
Address
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL Work Order No. 00783828 - 48
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
Company LLC Name
PO Box 355, Pittsburgh, PA. 15230-0355 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System Pressurizer (RY)
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case
(vessel) 1493-1,
1528
Applicable Construction Code (Pipe) ASME Section III 19 74 Edition, S75 Addenda, None Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) (* N-504-2 and N-638-1 APPROVED BY NRC, RR I3R-08
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	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Safety "B" Nozzle/DM Weld/Safe -End/SS Weld/45° Elbow	Westinghouse	PZR: 1721 Safe-End: Ht. # P73S Safety "B" Elbow: 92378-8	W13580	1RY03AB-6", 1RY01S, PN-05-SW5	1976	Installed	YES

7. Description of Work STRUCTURAL WELD OVERLAY ON PRESSURIZER SAFETY NOZZLE, PN-05-SW5 - LINE 1RY03AB-6"

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828 - 48
Applicable Manufacturer's Data Reports to be attached
(* Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable
Signed [Signature] RRR COORDINATOR Date 12/14, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/14/06 to 12/18/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 166-1254
Inspector's Signature National Board, State Province, and Endorsements
Date: Dec. 18, 20 06

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

1. Owner Exelon Nuclear Date 9/27/06
Name
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
Address
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL Work Order No. 00783828 - 49
Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
Company LLC
Name Authorization No. Not Applicable
PO Box 355, Pittsburgh, PA. 15230-0355 Expiration Date Not Applicable
Address
4. Identification of System PRESSURIZER (RY)
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case
(vessel) 1493-1, 1528
Applicable Construction Code (Pipe) ASME Section III 19 74 Edition, S75 Addenda, None Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) (* N-504-2 and N-638-1 APPROVED BY NRC, RR I3R-08)
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	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Safety "C" Nozzle/DM Weld/Safe -End/SS Weld/45° Elbow	Westinghouse	PZR: 1721 Safe-End: Ht. # P72S Safety "C" Elbow: 92378-4	W13580	1RY03AC-6", 1RY01S, PN-06-SW6	1976	Installed	YES

7. Description of Work STRUCTURAL WELD OVERLAY ON PRESSURIZER 1RY01S, SAFETY NOZZLE, PN-06-SW6 - LINE 1RY03AC-6". WELD OVERLAY HAD SEVERAL AREAS REQUIRING REPAIR DUE TO UNACCEPTABLE FLAWS. THESE FLAWS WERE REMOVED AND CORRECTED, W/O 783828 TASK 72.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828 - 49
Applicable Manufacturer's Data Reports to be attached
(*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] Date 12/20, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/19/06 to 12/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

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

Date: Dec. 21, 20 06

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

1. Owner Exelon Nuclear Date 10/13/06
4300 Winfield Road, Warrenville, IL Name
 Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
4450 N. German Church Road, Byron, IL Name
 Address Work Order No. 00783828-72
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
Company LLC Name
PO Box 355, Pittsburgh, PA. 15230-0355 Address Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System PRESSURIZER (RY)
 (pipe) ASME Section III, 1974 Edition, S75 Addenda
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case
 (vessel) 1493-1,
 1528
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
 (c) Section XI Code Case(s) (* N-504-2 and N-638-1 APPROVED BY NRC, RR 13R-08)
6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Safety "C" Nozzle/DM Weld/Safe - End/SS Weld/45° Elbow	Westinghouse	PZR: 1721 Safe-End: Ht. # P72S Safety "C" Elbow: 92378-4	W13580	1RY03AC-6", 1RY01S, PN-06-SW6-R1	1976	Corrected	YES

7. Description of Work STRUCTURAL WELD OVERLAY ON PRESSURIZER 1RY01S, SAFETY NOZZLE, PN-06-SW6-R1 - LINE 1RY03AC-6"

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828-72
Applicable Manufacturer's Data Reports to be attached
(*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR COORDINATOR Date 12/20, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 12/1/06 to 12/2/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

[Signature]
Inspector's Signature

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

Date: Dec. 21, 20 06

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

1. Owner Exelon Nuclear Date 10/10/06
4300 Winfield Road, Warrenville, IL Name
Address 4300 Winfield Road, Warrenville, IL Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
Name 4450 N. German Church Road, Byron, IL Work Order No. 00783828-73
Address 4450 N. German Church Road, Byron, IL Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Company LLC Type Code Symbol Stamp Not Applicable
Name Westinghouse Electric Company LLC Authorization No. Not Applicable
PO Box 355, Pittsburgh, PA. 15230-0355 Expiration Date Not Applicable
Address PO Box 355, Pittsburgh, PA. 15230-0355
4. Identification of System PRESSURIZER (RY)
(pipe) ASME Section III, 1974 Edition, S75 Addenda
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case 1493-1, 1528
(vessel)
- (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) (* N-504-2 and N-638-1 APPROVED BY NRC, RR 13R-08)
6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Safety "A" Nozzle/DM Weld/Safe - End/SS Weld/45° Elbow	Westinghouse	PZR: 1721 Safe-End: Ht. # P72S Safety "A" Elbow: 92378-9	W13580	1RY03AA-6", 1RY01S, PN-04-SW4-R1	1976	Corrected	YES

7. Description of Work STRUCTURAL WELD OVERLAY ON PRESSURIZER 1RY01S, 1A SAFETY NOZZLE, PN-04-SW4-R1 - LINE 1RY03AA-6"

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828-73
Applicable Manufacturer's Data Reports to be attached
(*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed *[Signature]* R.R. COORDINATOR Date 12/20, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/1/06 to 12/20/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

[Signature] Commissions 166-125A
Inspector's Signature National Board, State Province, and Endorsements

Date: Dec. 20, 20 06

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

1. Owner Exelon Nuclear Date 10/13/06
4300 Winfield Road, Warrenville, IL Name
 Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
4450 N. German Church Road, Byron, IL Name
 Address Work Order No. 00783828-74
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Westinghouse Electric Type Code Symbol Stamp Not Applicable
Company LLC Name
PO Box 355, Pittsburgh, PA. 15230-0355 Address Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System PRESSURIZER (RY)
 (pipe) ASME Section III, 1974 Edition, S75 Addenda
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, S73 Addenda, NB4643, Code Case
 (vessel) 1493-1,
 1528
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
 (c) Section XI Code Case(s) (*) N-504-2 and N-638-1 APPROVED BY NRC, RR 13R-08
6. Identification of Components Repaired or Replaced and Replacement Components:

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
1RY01S, Relief Nozzle/DM Weld/Safe -End/SS Weld/45° Elbow	Westinghouse	PZR: 1721 Safe-End: Ht. # P73S 45° Elbow: 61378-6	W13580	1RY02A-6*, 1RY01S, PN-03-SW3-R1	1976	Corrected	YES

7. Description of Work STRUCTURAL WELD OVERLAY ON PRESSURIZER 1RY01S, PORV NOZZLE, PN-03-SW3-R1 - LINE 1RY02A-6"

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 2233 psi Test Temp. 557 °F

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

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

9. Remarks Work Order No. 00783828-74
Applicable Manufacturer's Data Reports to be attached
(*) Code Cases N-504-2 and N-638-1 invoked by Relief Request I3R-08, B&PV Code Case 2142-2

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed *[Signature]* RRR COORDINATOR Date 12/19, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 12/1/06 to 12/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

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

Date: Dec. 21, 20 06

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 10-12-06
 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. 00783828-85
 Address _____ Repair Organization, P.O. No., Job No., etc. _____
3. Work Performed by Byron Mech. Maintenance Type Code Symbol Stamp Not Applicable
 Name _____ Authorization No. Not Applicable
4450 N. German Church Road, Byron, IL Expiration Date Not Applicable
 Address _____
4. Identification of System RY - REACTOR COOLANT PRESSURIZER
5. (a) Applicable Construction Code Section III 1974 Edition, S74 Addenda See Remarks Code Case _____
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 2001 Ed / 2003 Ad _____
 (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)
HEX NUT, CLAMP	GRINNELL	N/A	N/A	1RY09030C	N/A	REMOVED	NO
HEX NUT, CLAMP	ANVIL	N/A	N/A	CAT ID 37034	N/A	INSTALLED	NO

7. Description of Work INSTALLED PIPE CLAMP HEX NUT.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 VT-3 Other Pressure _____ psi Test Temp. _____ °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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. 00783828-85

Applicable Manufacturer's Data Reports to be attached

Constant Support Code Cases: 1644 Rev. 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734,

N-180, N-108, N-225, N-38,1690, N-242-1, and N-247

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 Corbett
Owner or Owner's Designee, Title

Date 12-20, 2006

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by H.S.B. CT of Hartford, Ct. have inspected the components described in this Owner's Report during the period 11/9/06 to 12/24/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions 166-1254

National Board, State Province, and Endorsements

Date Dec. 20, 2006

FORM NIS-2 (Back)

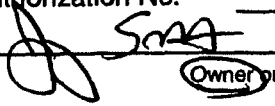
9. Remarks WO 00802596-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ **Not Applicable**

Certificate of Authorization No. _____ **Not Applicable**

Signed  RRR Cook Date 11/28, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1-24-06 to 11-29-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 29, 20 06

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

1. Owner Exelon Nuclear Date 9/21/06
Name
4300 Winfield Road, Warrenville, IL
Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL
Address Work Order No. 00836102-01
Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Name
4450 N. German Church Road, Byron, IL
Address Authorization No. Not Applicable
Expiration Date Not Applicable
4. Identification of System RY - REACTOR COOLANT PRESSURIZER
5. (a) Applicable Construction Code ASME Section III 1971 Edition, S72 Addenda, 1649 Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE PLUG	COPE'S VULCAN	88-5	N/A	1RY456	1990	REMOVED	NO
VALVE PLUG	COPE'S VULCAN	9821-96590-1-3 (98-6)	N/A	CAT ID #35955 1RY456 HT# 24696	1998	INSTALLED	NO

7. Description of Work REPLACE VALVE TRIM

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

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00836102-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David A. Sible, RRR COORDINATOR Date 10/26, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/31/06 to 11/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 21, 20 06

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 6/23/05
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. 00402990-01
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 STATION AIR [SA]
5. (a) Applicable Construction Code Section III 19 86 Edition, 1987 Addenda, (VALVE) Code Case NONE
 19 74 S/75 (PIPE)
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
 (c) Applicable ASME Section XI Code Cases: N-416-1
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code; Stamped (Yes or No)
VALVE 1"	KEROTEST	TKD4-23	11,581	1SA181C	1976	REPLACED	YES
VALVE 2"	FLOWSERVE	47AZL	N/A	1SA181C CAT ID#1384035	2004	REPLACEMENT	YES
2" 300# S.W.R.F. FLANGE	WESTERN FORGE AND FLANGE CO.	HT#3M40774 CODE: BPQ-A-2	N/A	1SA77BC CAT ID#24465	2004	REPLACEMENT	NO
STUDS-5/8"-11 THD. ROD	NOVA MACHINE PRODUCTS CORP	HT#224938	N/A	1SA77BC CAT ID#25042	2004	REPLACEMENT	NO
NUTS-5/8"-11	NOVA MACHINE PRODUCTS CORP	HT#7220464	N/A	1SA77BC CAT ID#37029	2004	REPLACEMENT	NO
2X1 INSERT	CONSOLIDATED POWER SUPPLY	HT#021J	N/A	1SA77BC CAT ID#27472	2004	REPLACEMENT	NO

7. Description of Work REPLACE 1" CHECK VALVE W/ 2" FLANGED CHECK VALVE-1SA181C PER EC# 79847.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 245 psi Test Temp. 87.4 °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. 00402990-01

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] RRR Coord
Owner or Owner's Designee, Title

Date

8/7, 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 HSB CT. of Hartford, CT have inspected the components described in this Owner's Report during the period 4/16/04 to 8/9/05, and state that to the best of my knowledge and belief, the Owner has performed examinations and ~~taken~~ corrective measures described in the Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

Commissions

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

Date Aug 9, 20 05

FORM NIS-2 (Back)

9. Remarks Work Order No. 00790082-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RDR Coord Date 11/27, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/17/06 to 11/28/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 28, 20 06

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

1. Owner Exelon Nuclear Date 9/21/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 01
 Name _____
4450 N. German Church Road, Byron, IL **Work Order No. 00790082-11**
 Address _____ Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp **Not Applicable**
 Name _____ Authorization No. Not Applicable
4450 N. German Church Road, Byron, IL Expiration Date Not Applicable
 Address _____
4. Identification of System SD – STEAM GENERATOR BLOWDOWN
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W75 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE PLUG	MASONEILAN DRESSER	N320189-048-6 87367-22	N/A	1SD054D	1987	REMOVED	NO
VALVE PLUG	MASONEILAN DRESSER	S/N: 070134-9 /	N/A	1SD054D CAT ID #29440	2006	INSTALLED	NO
BODY STUDS	MASONEILAN INTERNATIONAL	MK #B7T	N/A	1SD054D	1979	REMOVED	NO
BODY STUDS	MASONEILAN DRESSER	HT: 8869139 / HT CODE: D3	N/A	1SD054D CAT ID #25886	1996	INSTALLED	NO
NUTS	MASONEILAN INTERNATIONAL	MK #2HT	N/A	1SD054D	1979	REMOVED	NO
NUTS	NOVA MACHINE PRODUCTS	HT: 8994826 / CODE: QJR/D805	N/A	1SD054D CAT ID #37033	2003	INSTALLED	NO

7. Description of Work REPLACE VALVE PLUG, STUDS & NUTS. WELD VALVE STEM TO VALVE PLUG. VALVE BODY TO BE REPLACED UNDER TASK 01 OF THIS WORK ORDER (SEPARATE RRR/NIS-2).
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 1080 psi Test Temp. 556 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00790082-11
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 11/28, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 4/11/06 to 11/28/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 28, 20 06

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

1. Owner Exelon Nuclear Date 09/26/06
 Name
4300 Winfield Road, Warrenville, IL
 Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
 Name
4450 N. German Church Road, Byron, IL
 Address Work Order No. 00792341-07
 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 SD - STEAM GENERATOR BLOWDOWN
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, W75 Addenda, NO Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE PLUG	MASONEILAN	N-00196-3-3	N/A	1SD002A	1988	REMOVED	NO
VALVE PLUG	MASONEILAN	B1602H-9	N/A	CAT ID# 0000030848	2006	INSTALLED	NO

7. Description of Work REPLACE VALVE PLUG
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00792341-07
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] Date 11/7, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/25/06 to 11/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov 21, 20 06

DOCUMENT NO.: DOC #5A

REV. NO.: 0

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

- 1. Owner Exelon Nuclear, Date 9/21/06, Sheet 1 of 1
2. Plant Byron Nuclear Power Station, Unit 01, Work Order No. 00792347-01
3. Work Performed by Byron Mechanical Maintenance, Type Code Symbol Stamp Not Applicable
4. Identification of System SD - STEAM GENERATOR BLOWDOWN
5. (a) Applicable Construction Code ASME Section III 1974 Edition, W75 Addenda, NO Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Corrected, Removed, or Installed, ASME Code Stamped (Yes or No). Rows include VALVE PLUG entries with manufacturer MASONILAN.

7. Description of Work REPLACE VALVE PLUG

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [] Exempt [X]
Other [] Pressure n/a psi Test Temp. n/a °F

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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. 00792347-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable

Certificate of Authorization No. _____ Not Applicable

Signed [Signature] S.A. [Signature] RRR Cook Date 11/6, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 2/24/06 to 11/15/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 15, 20 06

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

1. Owner Exelon Nuclear Date 9/19/06
 Name _____
4300 Winfield Road, Warrenville, IL Address _____
 Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 1
 Name _____
4450 N. German Church Road, Byron, IL Address _____
Work Order No. 00819715-01
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name _____
4450 N. German Church Road, Byron, IL Address _____
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System SD - Steam Generator Blowdown
5. (a) Applicable Construction Code ASME Section III 1974 Edition, W/75 Addenda, None Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) None
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Stem/Plug Assembly	Masoneilan-Dresser	S/N 87367-7	N/A	ETN: 1SD054F	1987	Removed	No
Stem/Plug Assembly	Masoneilan-Dresser	S/N S37946-8	N/A	ETN: 1SD054F Caty/Id: 0001405248-1	2004	Installed	No

7. Description of Work Replace Plug/Stem assembly.
-
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure N/A psi Test Temp. N/A °F

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

FORM NIS-2 (Back)

9. Remarks WO 00819715-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR-Coord Date 11/6, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/18/06 to 11/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 21, 20 06

DOCUMENT NO.: N/A

REV. NO.: N/A

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

1. Owner Exelon Nuclear Date 9/23/06
 Name
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address
2. Plant Byron Nuclear Power Station Unit 01
 Name
4450 N. German Church Road, Byron, IL **Work Order No. 00741277-01**
 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 SI - SAFETY INJECTION
5. (a) Applicable Construction Code ASME Section III 1971 Edition, W72 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE COVER SEAL WELD	KEROTEST	S/N: KYA5-3	9568	1SI8900D	1976	INSTALLED	YES

7. Description of Work INSTALL BODY TO CAP SEAL WELD

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 2240 psi Test Temp. 557 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00741277-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable
Certificate of Authorization No. Not Applicable
Signed [Signature] RRR Coord Date 11/10, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/20/06 to 11/15/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions ILL-1254
Inspector's Signature National Board, State Province, and Endorsements
Date: NOV. 15, 20 06

FORM NIS-2 (Back)

9. Remarks WO# 741277-08

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Card Date 11/10, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/23/06 to 11/15/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 15, 20 06

FORM NIS-2 (Back)

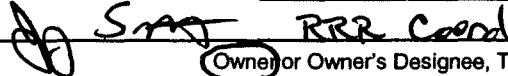
9. Remarks Reference WO 00870274-01.
Applicable Manufacturer's Data Reports to be attached
-
-
-
-

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed  Date 11/27, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 11/12/06 to 11/28/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions 111-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 28, 20 06

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

1. Owner Exelon Nuclear Date 09/16/06
Name
4300 Winfield Road, Warrenville, IL
Address
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, IL
Address
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
Name
36400 S. Essex Road, Wilmington, IL 60481
Address
4. Identification of System SI (SAFETY INJECTION)
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, none Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
(c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
END BELL FTG	CBI	CBI contract 74-2256	N/A	1SI06AA-24"	1976	Removed	NO
Suction Pipe Collar	CCI	Component # 103132160001	N/A	1SI06AA-24"	2006	Installed	NO

7. Description of Work REMOVED END BELL, INSTALLED SUCTION PIPE COLLAR PER EC 356569
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks WO# 00890987-09, installed suction pipe collar is a non-code item, the listed component number is from the bill of materials

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David C. Niles, RRR COORDINATOR Date 11-21, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/15/06 to 11/22/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: NOV. 22, 20 06

(Final)

FORM NIS-2 (Back)

9. Remarks WO# 00890987-14, installed suction pipe collar is a non-code item, the listed component number is from the bill of materials.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David C. Silver RRR COORDINATOR Date 12-8, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 5/15/06 to 12/17/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 111-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Dec. 11, 20 06

DOCUMENT NO.: 3.2

REV. NO.: 0

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

1. Owner Exelon Nuclear Date 9/16/06
4300 Winfield Road, Warrenville, IL
 Name Address
 Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 01
4450 N. German Church Road, Byron, IL
 Name Address
 Work Order No. 00908949-01 & -14
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
36400 S. Essex Road, Wilmington, IL 60481
 Name Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System SI-SAFETY INJECTION
 1974 Ed/S75 Piping
5. (a) Applicable Construction Code ASME Section III 19 71 Edition, W72 Addenda, None Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2" Check Valve	Kerotest/Flowserve Corp.	S/N: KYA1-7 ✓	7752	1SI8819B	1975	Removed	YES
2" Check Valve	Kerotest/Flowserve Corp.	S/N: US6-11 ✓	21440	1SI8819B	1978	Installed	YES
2" Pipe, Sch. 160	Sandvik Inc.	HT# 462460	N/A	1SI18FB/1SI18EB	1977	Removed	NO
2" Pipe, Sch. 160	Kerotest/Flowserve (Sanyo Steel)	HT# 805256 ✓	N/A	1SI18FB/1SI18EB	1997	Installed	NO
2"-1500# Sch.160 Orifice Flange	G+W Taylor Bonney Div	HT: HK584 ✓	N/A	Mech. Joint# 31A	1980	Removed	NO
2"-1500# Sch.160 Orifice Flange	Consolidated Power Supply	HT: 34811 ✓	N/A	Mech. Joint# 31A	2006	Installed	NO

7. Description of Work REPLACE CHECK VALVE, PIPE STUBS, AND 2"-1500# Flange-SCH. 160 Bore
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 755 / 2235 psi Test Temp. 90 / 108 °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# 00908949-01 and WO 00908949-14 (Pre-Fabrication Work).

Applicable Manufacturer's Data Reports to be attached

NOTE: Installed valve with pipe stubs was supplied as an assembly by Flowserve Corp as documented

In the attached NR-1 Form.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ **Not Applicable**

Certificate of Authorization No. _____ **Not Applicable**

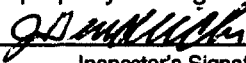
Signed  RRR Council Date 11/30, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 6/15/06 to 11/30/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 30, 20 06

POOR QUALITY ORIGINAL

WO 00908949-01/14

FORM NR-1 REPORT OF REPAIR MODIFICATION OR INSTALLATION OF REPLACEMENT(S) TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1. Work performed by Flowsolve Corp. P.O. #367072; S.O. #R-474P-1
(name of organization) (P.O. no., job no., etc.)
701 First Street, Williamsport, PA 17701
(address)

2. Owner Commonwealth Edison Company
(name)
P.O. Box 767, Chicago, IL 60690
(address)

3. Name, address and identification of nuclear power plant Byron Nuclear Station
4450 N. Garsan Church Road, Byron, IL 61010
(address)

4. System _____

5. a: Component repaired, modified or replaced 2" - 1500# Y-Globe Check Valve
 b: Name of manufacturer Kerotest Manufacturing Corp.
 * c: Identifying nos. USG-11 N/A N/A N/A 1978
(unit's serial no.) (part M. No.) (substitution no.) (other) (year built)
 d: Construction Code ASME III 1974 Summer 1976 N/A 1
(name/section/division) (edition) (addition) (Code Case#) (Code Class)

6. ASME Code Section XI applicable for inservice inspection: N/A N/A N/A
(addition) (addition) (Code Case#)

7. ASME Code Section XI used for repairs, modifications, or replacements: 1974 Summer 1976 N/A
(addition) (addition) (Code Case#)

8. Construction Code used for repairs, modifications, or replacements: N/A N/A N/A
(addition) (addition) (Code Case#)

9. Design responsibility Flowsolve Corp.

10. Tests conducted: hydrostatic pneumatic design pressure pressure 5500 psi Code Case(s) N/A

11. Description of work Weld pipe stubs on valves, LP body to pipe stub weld,
(use of properly identified additional sheets) or description in complete)
Hydrotest and seat leakage test valve

12. Remarks: Pipe stubs HT #805256 supplied by Commonwealth Edison

CERTIFICATE OF COMPLIANCE

I, JAMES P. DRYER, certify that the statements made in this report are correct and the repair, modification or replacement of the items described above conforms to Section XI of the ASME Code and to the National Board Inspection Code "NR" rules.

National Board Certificate of Authorization No. NR44 to use the "NR stamp expires 7/10 88 2001

Date 3/30/99 Signed Flowsolve Corp. J.P. Dryer O. A. Engineer
(name of repair organization) (authorized representative) (NSB)

CERTIFICATE OF INSPECTION

I, Charles Young, holding a valid commission issued by The National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of Pennsylvania and employed by Commercial Union Insurance Co. of Boston, MA have inspected the repair, modification or replacement described in this report on 3-30-99 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 ASME Code and the National Board Inspection Code "NR" rules.

By signing this certificate, neither the undersigned nor my employer makes any warranty, expressed or implied, concerning the work 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.

Date 3-30-99 Signed Charles Young Commission Pennsylvania 2392
(National Board [and endorsement, jurisdiction, and no.]

899-00586

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

1. Owner Exelon Nuclear Date 9/15/06
 Name
4300 Winfield Road, Warrenville, IL
 Address
 Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 1
 Name
4450 N. German Church Road, Byron, IL
 Address
Work Order No. 00908951-01, 09 & 14
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
 Name
36400 S. Essex Road, Wilmington, IL 60481
 Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System SI-SAFETY INJECTION
5. (a) Applicable Construction Code (Chk Vlv) ASME Section III 19 71 Edition, W72 Addenda, None Code Case
 Applicable Construction Code (Piping) ASME Section III 19 74 Edition, S/75 Addenda, None
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
2" Check Valve	Kerotest/Flowserve Corp.	S/N: US6-2	21438	1SI8819C	1978	Removed	YES
2" Check Valve	Kerotest/Flowserve Corp.	S/N: E-467P-1-6	N/A	1SI8819C	1999	Installed	YES
2" Pipe, Sch. 160	Sanyo Steel	HT: 805256	N/A	1SI18EC/1SI18FC	1997	Removed	NO
2" Pipe, Sch. 160	Consolidated Power Supply	HT: 505112 ✓	N/A	1SI18EC/1SI18FC	2006	Installed	NO
2"-1500# Sch.160 Orifice Flange	G+W Taylor Bonney Division	HT: HK584	N/A	Mech. Joint# 26A 1500# Flange	1980	Removed	NO
2"-1500# Sch.160 Orifice Flange	Consolidated Power Supply	HT: 479YNE ✓	N/A	Mech. Joint# 26A 1500# Flange	2002	Installed	NO

7. Description of Work Replace check valve, pipe stubs, and 2"-1500# Flange-SCH. 160 Bore. WO 00908951 Task-01 installs assembly into the system, Task-09 welded piping to Chk. Vlv., Task-14 welded Flange To Pipe.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 755 / 2235 psi Test Temp. 90 / 108 °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)

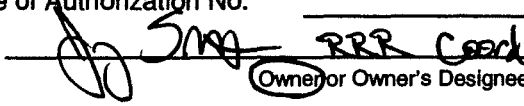
9. Remarks WO# 00908951-01 (system installation), Tasks 09 and 14 (Pre-Fabrication Work).
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ **Not Applicable**

Certificate of Authorization No. _____ **Not Applicable**

Signed  Date 11/29, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 6/15/06 to 11/20/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions 116-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 30, 20 06

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

1. Owner Exelon Nuclear Date 9/26/06
4300 Winfield Road, Warrenville, IL Name
 Address Sheet 1 of 2
2. Plant Byron Nuclear Power Station Unit 01
4450 N. German Church Road, Byron, IL Name
 Address Work Order No. 00957225-01/03
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name Authorization No. Not Applicable
4450 N. German Church Road, Byron, IL Address Expiration Date Not Applicable
4. Identification of System SI - SAFETY INJECTION
 1986 Edition, No Addenda (Valve)
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VENT LINE INSTALLED ON 24" B.W. PIPE CAP - 1SI01B-24" (Spool SI-14-1)							
1-1/2" SOCKOLET	Energy & Process Corp.	HT# GP70	N/A	CAT ID #1416698 1SIK3AA-1 1/2"	2006	INSTALLED	NO
1-1/2" PIPE	Consolidated Power Supply	HT.# 8223J	N/A	CAT ID #1226372 1SIK3AA-1 1/2"	2001	INSTALLED	NO
1-1/2" GATE VALVE	Flow Serve	ET550-9-3	N/A	CAT ID #1416683 1SI126A	1993	INSTALLED	YES
1-1/2" S.W.R.F. FLANGE	Chicago Tube & Iron	HT# AMBQ	N/A	CAT ID #19984 1SIK3AA-1 1/2"	1987	INSTALLED	NO
1-1/2" BLIND FLANGE	Energy & Process Corp.	HT.Code C5656	N/A	CAT ID #37922 1SIK3AA-1 1/2"	2000	INSTALLED	NO
1/2"-13 X 3" CAP SCREWS (4)	Nova Machine Products	HT.# USY06420	N/A	CAT ID #23225 1SIK3AA-1 1/2"	2003	INSTALLED	NO
1/2"-13 HVY HEX NUTS (4)	Nova Machine Products	Ht #B87035 Code: K135	N/A	CAT ID #37027 1SIK3AA-1 1/2"	2004	INSTALLED	NO

7. Description of Work Install Two Vent Valve/Pipe Spools On Si Supply Header Per Ec# 362644
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 33 psi Test Temp. 82 °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.

DOCUMENT NO.: 4-1

REV. NO.: 0

FORM NIS-2 SUPPLEMENTAL SHEET

1. Owner Exelon Nuclear Date 9/26/06
 Name _____
4300 Winfield Road, Warrenville, IL
 Address _____
 Sheet 2 of 2
2. Plant Byron Nuclear Power Station Unit 01
 Name _____
4450 N. German Church Road, Byron, IL
 Address _____
 Work Order No. 00957225-01/03
 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
 Address _____
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System SI - SAFETY INJECTION
 1986 Edition, No Addenda (Valve)
5. (a) Applicable Construction Code Section III 19 74 Edition, S75 Addenda, None Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 2001 Ed/2003 Ad
 (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	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VENT LINE INSTALLED ON 24" STND PIPE- 1SI01B-24" (Spool SI-14-4)							
1-1/2" SOCKOLET	Energy & Process Corp.	HT# GP70 ✓	N/A	CAT ID #1416698 1SI3AB-1 1/2"	2006	INSTALLED	NO
1-1/2" PIPE	Consolidated Power Supply	HT.# 8223J ✓	N/A	CAT ID #1226372 1SI3AB-1 1/2"	2001	INSTALLED	NO
1-1/2" GATE VALVE	Flow Serve	ET550-9-10 ✓	N/A	CAT ID #1416683 1SI126B	1993	INSTALLED	YES
1-1/2" S.W.R.F. FLANGE	Chicago Tube & Iron	HT# AMBQ ✓	N/A	CAT ID #19984 1SI3AB-1 1/2"	1987	INSTALLED	NO
1-1/2" BLIND FLANGE	Energy & Process Corp.	HT.Code C5656	N/A	CAT ID #37922 1SI3AB-1 1/2"	2000	INSTALLED	NO
1/2"-13 X 3" CAP SCREWS (4)	Nova Machine Products	HT.# USY06420 ✓	N/A	CAT ID #23225 1SI3AB-1 1/2"	2003	INSTALLED	NO
1/2"-13 HVY HEX NUTS (4)	Nova Machine Products	Ht #B87035 ✓ Code: K135	N/A	CAT ID #37027 1SI3AB-1 1/2"	2004	INSTALLED	NO

(Final)

FORM NIS-2 (Back)

9. Remarks 00957225-01/03

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] Date 11/22, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 9/22/06 to 11/27/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: NOV. 27, 20 06

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

1. Owner Exelon Nuclear Date 9/21/06
 Name
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address
2. Plant Byron Nuclear Power Station Unit 01
 Name
4450 N. German Church Road, Byron, IL Work Order No. 00503434- 01
 Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by N P S & W VENTURE Type Code Symbol Stamp Not Applicable
 Name Authorization No. Not Applicable
36400 S. Essex Road, Wilmington, IL 60481 Expiration Date Not Applicable
 Address
4. Identification of System ESSENTIAL WATER (SX)
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, 1702 Code Case 1773
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity 2001 Edition / 2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
Butterfly Valve	Jamesbury	ND-48858-11A	N/A	1SX143A	1978	REMOVED	YES
Butterfly Valve	ENERTECH	11534	N/A	1SX143A	2006	INSTALLED	YES

7. Description of Work REPLACE VALVE PER EC 77580

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 97 psi Test Temp. 63 °F

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 00503434- 01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] SQA RRR Cook Date 11/21, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 3/6/06 to 11/22/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 22, 20 06

**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 8/2/05
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. 00603161-01
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. 61010 Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System ESSENTIAL SERVICE WATER [SX]
5. (a) Applicable Construction Code Section III 1977 Edition, W78 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)
1.5" DIAMETER BALL	SEM Tec Inc. Carpenter Tec.	80-52894-4-29	N/A	1SX2165A	1981	REPLACED	NO
1.5" DIAMETER BALL	ITT Industries	S/N 746462-1-2 HT: 718053-21	N/A	1SX2165A	2004	REPLACEMENT	NO

7. Description of Work REBUILD VALVE REPLACE BALL
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 N/A
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks WO# 00603161-01

Applicable Manufacturer's Data Reports to be attached

Blank lines for handwritten remarks.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable Expiration Date Not Applicable

Signed [Signature] RRR Good Date 8/12, 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 6/12/05 to 8/12/05, 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] Commissions 122-1254

Date Aug. 12, 2005

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 1/6/06
 Name
4300 Winfield Road, Warrenville, IL 60555
 Address
2. Plant Byron Nuclear Power Station Unit 00
 Name
4450 N. German Church Road, Byron, IL 61010 Address
Work Order No. 00722701-01
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp NOT APPLICABLE
 Name
4450 N. German Church Road, Byron, IL 61010 Address
 Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System ESSENTIAL SERVICE WATER [SX]
5. (a) Applicable Construction Code Section III 19 74 Edition, S/76 Addenda, NO Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
 (c) Section XI Code Cases used, None
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
CHECK VALVE	ANDERSON GREENWOOD	B386	N/A	0SX143B	1978	Replaced	YES
CHECK VALVE	ANDERSON GREENWOOD	97-61040	N/A	Cat id 35908 0SX143B	1998	Replacement	YES

7. Description of Work REPLACE CHECK VALVE

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 22 psi Test Temp Ambient °F

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

FORM NIS-2 (Back)

9. Remarks WO# 00722701-01

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] 577 RRR Coach Date 1/26, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/24/06 to 1/26/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 111-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Jan. 27, 20 06

**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 11/08/05
Name
4300 Winfield Rd. Warrenville, Il. 60555 Sheet 1 of 1
Address
2. Plant Byron Nuclear Power Station Unit 1
Name
4450 N. German Church Road, Byron, Il. Work Order No. 00726137-01
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Name Repair Organization, P.O. No., Job No., etc.
4450 N. German Church Road, Byron, Il. Authorization No. Not Applicable
Address Expiration Date Not Applicable
4. Identification of System SX - ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code Section III 19 74 Edition, W75 Addenda, NONE Code Cases
 (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	ANDERSON GREENWOOD	S/N: N26076	N/A	1SX174	1990	Replaced	YES
Check Valve	ANDERSON GREENWOOD	S/N:A-120	N/A	1SX174	1977	Replacement	YES

7. Description of Work REPLACE CHECK VALVE.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 N/A
 Other Pressure 73 psi Test Temp. 72 °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. 00726137-01
Applicable Manufacturer's Data Reports to be attached
Replacement check valve was rebuilt under Purchase Order 00403938.

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 Date 1/25 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT. of Hartford, CT have inspected the components described in this Owner's Report during the period 1/15/06 to 1/30/06, 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] Commissions ILL-1254
Inspector's Signature National Board, State Province, and Endorsements

Date Jan. 30, 20 06

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 11/08/05
Name
4300 Winfield Rd. Warrenville, Il. 60555
Address
2. Plant Byron Nuclear Power Station Unit 1
Name
4450 N. German Church Road, Byron, Il. **Work Order No. 00740850-01**
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp **Not Applicable**
Name Repair Organization, P.O. No., Job No., etc.
4450 N. German Church Road, Byron, Il. Authorization No. **Not Applicable**
Address Expiration Date **Not Applicable**
4. Identification of System SX – ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code Section III 19 74 Edition, W75 Addenda, 1567 & 1682 Code Cases
 (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 Disc	Anchor/Darling	HT: A1608 S/N: R2492	N/A	1SX175 S/N E-6220-4-3	1977	Replaced	No
Valve Disc	Flowserve Corp.	HT:B6516 S/N: 2	N/A	1SX175 CAT ID #008188-1	2000	Replacement	YES

7. Description of Work Rebuild valve, replace disc and stem.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure |
 N/A
 Other Pressure n/a psi Test Temp. n/a °F |

Note: Supplemental sheets in form of lists, sketches, or drawings may be used, provided (1) size is 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. 00740850-01
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 Date 1/25, 2006
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 10/14/05 to 1/30/06, 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] Commissions ILL-1254
Inspector's Signature National Board, State Province, and Endorsements

Date Jan. 30, 2006

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

1. Owner Exelon Nuclear Date 9/21/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 01
 Name _____
4450 N. German Church Road, Byron, IL **Work Order No. 790200-13**
 Address _____ Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name _____ Authorization No. Not Applicable
4450 N. German Church Road, Byron, IL Expiration Date Not Applicable
 Address _____
4. Identification of System SX - Essential Service Water
5. (a) Applicable Construction Code ASME Section III 1974 Edition, W75 Addenda, none Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) none
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
DISC	DRUMMOND McCALL &	MATL. SA-515 GR70	N/A	1SX046A S/N 78G720	1978	Removed	NO
DISC	VELAN ENG. LTD.	S/N 4972	N/A	Cat Id 23891 1SX046A	2005	Installed	No

7. Description of Work Rebuild valve, replace disc

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

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

FORM NIS-2 (Back)

9. Remarks Work Order No. 790200-13
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed David C. Silver, RRR COORDINATOR Date 10/20, 20 06

Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/10/06 to 11/21/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 16L-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 21, 20 06

DOCUMENT NO.: 4A

REV. NO.: 0

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

- 1. Owner Exelon Nuclear, Date 10/20/06, Address 4300 Winfield Road, Warrenville, IL, Sheet 1 of 1
2. Plant Byron Nuclear Power Station, Unit 00, Name 4450 N. German Church Road, Byron, IL, Work Order No. 00846436-01, Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance, Type Code Symbol Stamp Not Applicable, Name 4450 N. German Church Road, Byron, IL, Authorization No. Not Applicable, Expiration Date Not Applicable, Address
4. Identification of System SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
(c) Section XI Code Case(s) N/A
6. Identification of Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Corrected, Removed, or Installed, ASME Code Stamped (Yes or No). Rows include PIPE SCHED 80 2" with N/A manufacturer and 0SXA1BA identification, and another PIPE SCHED 80 2" with Consolidated Power Supply manufacturer, HT# A82900, and 0SXA1BA Cat Id 24507-1.

7. Description of Work REMOVE AND REPLACE PIPE SECTION BETWEEN VALVES 0SX168A & OSX169A. THIS PIPE HAS BEEN CHANGED TO ASME CL.3. PER EC# 357135. PIPE WAS PREVIOUSLY NON-SAFETY RELATED.

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] Exempt [] Other [] Pressure 150 psi Test Temp. 52 °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#00846436-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] SJA RRR Card Date 11/22, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/4/06 to 11/27/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 27, 20 06

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

1. Owner Exelon Nuclear Date 10/13/06
 Name
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address
2. Plant Byron Nuclear Power Station Unit 00
 Name
4450 N. German Church Road, Byron, IL Work Order No. 00846493-01
 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 SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S75 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPE SCHED 80 2"	N/A	N/A	N/A	0SXA1BB	N/A	REMOVED	NO
PIPE SCHED 80 2"	Consolidated Power Supply	HT# A82900	N/A	0SXA1BB Cl# 24507-1	2006	INSTALLED	NO

7. Description of Work REMOVE AND REPLACE PIPE SECTION BETWEEN VALVES 0SX198B & OSX169B.
THIS PIPE HAS BEEN CHANGED TO ASME CL.3. PER EC# 357135.
PREVIOUSLY NON-SAFETY RELATED.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 148 psi Test Temp. 48 °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#00846493-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 11/22, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/4/06 to 11/27/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

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

Date: Nov. 27, 20 06

FORM NIS-2 (Back)

9. Remarks WO#00846494-01


Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed  Date 11/29, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8-4-06 to 11-29-06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

 Commissions 111-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 29, 20 06

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

1. Owner Exelon Nuclear Date 10/20/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 00
 Name _____
4450 N. German Church Road, Byron, IL **Work Order No. 00846496-01**
 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 SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, N/A Code Case _____
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPE SCHED 80 2"	N/A	N/A	N/A	0SXA1BC	N/A	REMOVED	NO
PIPE SCHED 80 2"	Consolidated Power Supply	HT# A82900	N/A	0SXA1BC CI# 24507-1	2006	INSTALLED	NO

7. Description of Work REMOVE AND REPLACE PIPE SECTION BETWEEN VALVES 0SX198C & 0SX169C. THIS PIPE HAS BEEN CHANGED TO ASME CL.3. PER EC# 357135. PREVIOUSLY NON-SAFETY RELATED.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 150 psi Test Temp. 52 °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#00846496-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Corp Date 11/22, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/4/06 to 11/27/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 111-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: Nov. 27, 20 06

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

1. Owner Exelon Nuclear Date 10/20/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 00
 Name _____
4450 N. German Church Road, Byron, IL **Work Order No. 00846497-01**
 Address _____ Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name _____ Authorization No. Not Applicable
4450 N. German Church Road, Byron, IL Expiration Date Not Applicable
 Address _____
4. Identification of System SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, N/A Code Case _____
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPE SCHED 80 2"	N/A	N/A	N/A	0SXA1BE	N/A	REMOVED	NO
PIPE SCHED 80 2"	Consolidated Power Supply	HT# A82900	N/A	0SXA1BE Cat Id# 24507-1	2006	INSTALLED	NO

7. Description of Work REMOVE AND REPLACE PIPE SECTION BETWEEN VALVES 0SX168E & 0SX169E.
THIS PIPE HAS BEEN CHANGED TO ASME CL.3. PER EC# 357135.
ORIGINAL PIPE WAS NON-SAFETY RELATED

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 150 psi Test Temp. 52 °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#00846497-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord. Date 11/22, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/4/06 to 11/28/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 28, 20 06

DOCUMENT NO.: 4A

REV. NO.: 0

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

- 1. Owner Exelon Nuclear, Date 10/13/06, Sheet 1 of 1
2. Plant Byron Nuclear Power Station, Unit 00, Work Order No. 00846498-01
3. Work Performed by Byron Mechanical Maintenance, Authorization No. Not Applicable
4. Identification of System SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, N/A
6. Identification of Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Corrected, Removed, or Installed, ASME Code Stamped (Yes or No). Rows include PIPE SCHED 80 2" with N/A and Consolidated Power Supply.

7. Description of Work REMOVE AND REPLACE PIPE SECTION BETWEEN VALVES OSX168F & OSX169F. THIS PIPE HAS BEEN CHANGED TO ASME CL.3. PER EC# 357135. PREVIOUSLY NON-SAFETY RELATED.

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [X] Exempt []
Other [] Pressure 148 psi Test Temp. 48 °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#00846498-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 11/27, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/4/06 to 11/28/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 28, 20 06

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

1. Owner Exelon Nuclear Date 07/27/06
 Name
4300 Winfield Road, Warrenville, IL
 Address Sheet 1 of 1
2. Plant Byron Nuclear Power Station Unit 00
 Name
4450 N. German Church Road, Byron, IL
 Address Work Order No. 00907092-01
 Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
 Name
4450 N. German Church Road, Byron, IL
 Address Authorization No. Not Applicable
 Expiration Date Not Applicable
4. Identification of System SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code ASME Section III 1974 Edition, W75 Addenda, 1567, 1682 Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
DISC	QUAKER ALLOY CASTING CO.	R3480 HT# A1634	N/A	0SX161A S/N E-6220-4-9	1978	REMOVED	NO
DISC	FLOWSERVE	05320-X664	N/A	0SX161A S/N E-6220-4-9	2006	INSTALLED	NO
NUT, BONNET	NUTS, INC.	HT# X44392	N/A	0SX161A S/N E-6220-4-9	1978	REMOVED	NO
NUT, BONNET QTY. 6	NOVA MACHINE PROD.	HT#B87035 CODE VCF	N/A	0SX161A CAT ID 37029-1	2000	INSTALLED	NO
NUT, BONNET QTY. 2	NOVA MACHINE PROD.	HT# 8077124	N/A	0SX161A CAT ID 37029-1	2000	INSTALLED	NO
STUD, BONNET	R.E.C. CORP.	HT#: X44392	N/A	0SX161A S/N E-6220-4-9	1978	REMOVED	NO
STUD, BONNET	NOVA MACHINE PROD.	HT TR# 230111 HT CODE R345	N/A	0SX161A CAT ID 37092-1	2005	INSTALLED	NO

7. Description of Work REBUILD VALVE, REPLACE DISC, BONNET STUDS & NUTS.
NEW VALVE DISC WILL REQUIRE MACHINING TO FIT THE VALVE.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure n/a psi Test Temp. n/a °F

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

FORM NIS-2 (Back)

9. Remarks WO# 00907092-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] Date 9/7, 20 06

[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 5/15/06 to 9/7/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature]
Inspector's Signature

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

Date: Sept. 7, 20 06

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

- 1. Owner Exelon Nuclear, Date 7/7/06, Sheet 1 of 1, Address 4300 Winfield Road, Warrenville, IL
2. Plant Byron Nuclear Power Station, Unit 0, Work Order No. 00936532-01, Address 4450 N. German Church Road, Byron, IL
3. Work Performed by Byron Mechanical Maintenance, Type Code Symbol Stamp Not Applicable, Address 4450 N. German Church Road, Byron, IL
4. Identification of System SX - Essential Service Water
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S/75 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
(c) Section XI Code Case(s) N/A
6. Identification of Components

Table with 8 columns: Name of Component, Name of Manufacturer, Manufacturer Serial No., National Board No., Other Identification, Year Built, Corrected, Removed, or Installed, ASME Code Stamped (Yes or No). Rows include Sch. 80 2" Pipe from Hunter Corp. (1983, Removed) and Consolidated Power Supply (2005, Installed).

7. Description of Work Replace section of pipe between FW-1423 (Tee) and FW-1551 (Elbow)

8. Test Conducted: Hydrostatic [] Pneumatic [] Nominal Operating Pressure [x] Exempt []
Other [] Pressure 146 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 (Back)

9. Remarks WO 00936532-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Cool Date 8/24, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 7/2/06 to 8/14/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 116-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: August 24, 20 06

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

1. Owner Exelon Nuclear Date 07/26/06
Name
4300 Winfield Road, Warrenville, IL
Address
2. Plant Byron Nuclear Power Station Unit 00
Name
4450 N. German Church Road, Byron, IL
Address
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
Name
4450 N. German Church Road, Byron, IL
Address
4. Identification of System SX ESSENTIAL SERVICE WATER
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S75 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
(c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
PIPE 2" SCHED 80	GULF STATES TUBE DIV	HT: JD1571 MK: AA	N/A	0SX85AA	1977	REMOVED	NO
PIPE 2" SCHED 80	CONSOLIDATED POWER SUPPLY	HT# 1M35684	N/A	0SX85AA CAT ID 24507-1	2005	INSTALLED	NO
ELBOW 2" SCHED. 80 (2)	BONNEY FORGE	M240	N/A	0SX85AA	1977	REMOVED	NO
ELBOW 2" SCHED. 80 (2)	CONSOLIDATED POWER SUPPLY	HT: D35269 Lot: 75661	N/A	0SX85AA CAT ID 47207-1	2005	INSTALLED	NO
COUPLING 2" SCHED. 80 (2)	BONNEY FORGE	BM35	N/A	0SX85AA	1977	REMOVED	NO
COUPLING 2" SCHED. 80 (2)	CONSOLIDATED POWER SUPPLY	WFI HT# 297YNB	N/A	0SX85AA CAT ID 47132-1	1997	INSTALLED	NO

7. Description of Work REPLACE PIPE SECTION AND FITTINGS.

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
Other Pressure 150 psi Test Temp. 82 °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# 00941255-01

Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 8/25, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 7/26/06 to 8/25/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Aug. 28, 20 06

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

1. Owner Exelon Nuclear Date 9/22/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 01
 Name _____
4450 N. German Church Road, Byron, IL Work Order No. 00602001-01
 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 VA- AUX. BLDG. HVAC
5. (a) Applicable Construction Code ASME Section III 19 74 Edition, S/76 Addenda, N/A Code Case _____
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
3/8-16X4" LOWER COOLER HEAD BOLT	CARDINAL	HT: C72103	N/A	1VA08S	1992	REMOVED	NO
3/8-16X4" LOWER COOLER HEAD BOLT	NOVA MACHINE PRODUCTS	HT: 8092338 CODE: BVG	N/A	1VA08S CAT. ID: 36960	1996	INSTALLED	NO

7. Description of Work REPLACE ONE LOWER COOLER HEAD BOLT.

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

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

FORM NIS-2 (Back)

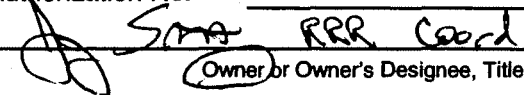
9. Remarks WO# 00602001-01
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ **Not Applicable**

Certificate of Authorization No. _____ **Not Applicable**

Signed  Date 11/13, 20 06
SMA RRR Coord
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 9/21/06 to 11/15/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: NOV. 15, 20 06

DOCUMENT NO.: 3A

REV. NO.: 0

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

1. Owner Exelon Nuclear Date 10/28/06
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address
2. Plant Byron Nuclear Power Station Unit 00
4450 N. German Church Road, Byron, IL Work Order No. 00803477-02
 Address Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Byron Mechanical Maintenance Type Code Symbol Stamp Not Applicable
4450 N. German Church Road, Byron, IL Authorization No. Not Applicable
 Address Expiration Date Not Applicable
4. Identification of System WO - CHILLED WATER 1974 Edition, S75 Addenda (piping)
5. (a) Applicable Construction Code ASME Section III 19 80 Edition, S/80 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) N/A
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE, RELIEF	TARGET ROCK	S/N: 5	N/A	EPN:0WO028A	2004	REMOVED	YES
VALVE, RELIEF	CROSBY VALVE	N99949-00-0002 ✓	N/A	EPN:0WO028A CAT. ID 1414005	2006	INSTALLED	YES
1-1/2" PIPE	GULF STATES TUBE CORP	HT#JD1571 MK: AC	N/A	0WO136AA-1-1/2" MJ#1A	1977	REMOVED	NO
1-1/2" PIPE	CONSOLIDATED POWER SUPPLY	HT#: 98766 ✓	N/A	0WO136AA-1-1/2" MJ#1A	2005	INSTALLED	NO
FLANGE	NATIONAL FLANGE & FITTING	HT#: 82242 MK#BDW-77	N/A	0WO136AA-1-1/2" MJ#1A	1978	REMOVED	NO
1-1/2" FLANGE	CONSOLIDATED POWER SUPPLY	HT# A050963 ✓ Code: CWL-A-1	N/A	0WO136AA-1-1/2" MJ#1A	2006	INSTALLED	NO
1/2-13 THREADED ROD	NOVA MACHINE PROD.	HT#QKZ	N/A	0WO136AA-1-1/2" MJ#1A	2000	REMOVED	NO
1/2-13 HEAVY HEX SCREW	NOVA MACHINE PROD.	HT# US Y06420 ✓	N/A	0WO136AA-1-1/2" MJ#1A	2003	INSTALLED	NO
1/2-13 HEAVY HEX NUT	NOVA MACHINE PROD.	HT#EVY	N/A	0WO136AA-1-1/2" MJ#1A	1997	REMOVED	NO
1/2-13 HEAVY HEX NUT	NOVA MACHINE PROD.	HT# B87035 ✓ Code: K135	N/A	0WO136AA-1-1/2" MJ#1A	2004	INSTALLED	NO

7. Description of Work REPLACE RELIEF VALVE, PIPE, FLANGE, NUTS & STUDS. PER EC#355050

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 32 psi Test Temp. 55 °F

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

FORM NIS-2 (Back)

9. Remarks WO#00803477-02 / EC#355050
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] SAA RRR Coord Date 11/16, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 8/23/06 to 11/20/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: Nov. 20, 20 06

DOCUMENT NO.: 5A

REV. NO.: 0

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

1. Owner Exelon Nuclear Date 4/5/06
 Name
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address
2. Plant Byron Nuclear Power Station Unit 00
 Name
4450 N. German Church Road, Byron, IL Work Order No. 00881400-02
 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 WO CHILLED WATER
5. (a) Applicable Construction Code ASME Section III 1974 Edition, S76* Addenda, 1634-2 Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
MTG FLANGE (WEST END)	CARRIER CORP.	202626	139923	OWO01CB	1978	CORRECTED	YES
HEAD (WEST END COVER)	CARRIER CORP.	202626	139923	OWO01CB	1978	CORRECTED	YES

7. Description of Work REPAIR ERODED AREAS BY WELDING AND MACHINING

8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure 72 psi Test Temp. 75 °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# 00881400-02 Applicable Manufacturer's Data Reports to be attached
* ASME Section III ND-4130 1992 Edition invoked for repair examination criterion.

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp _____ Not Applicable

Certificate of Authorization No. _____ Not Applicable

Signed [Signature] RRR Card Date 6/23, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 1/26/06 to 6/27/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

[Signature] Commissions 116-1254
Inspector's Signature National Board, State Province, and Endorsements

Date: June 27, 20 06

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 11/3/05
Name
4300 Winfield Rd. Warrenville, Il. 60555
Address
2. Plant Byron Nuclear Power Station Unit 01
Name
4450 N. German Church Road, Byron, Il. Purchase Order 00403938
Address
3. Work Performed by Crane Nuclear, Inc Repair Organization, P.O. No., Job No., etc.
Name Type Code Symbol Stamp NR
860 Remington Blvd., Bolingbrook IL 60680-5388 Authorization No. NR-24
Address Expiration Date February 17, 2006
4. Identification of System XX (spare valve)
5. (a) Applicable Construction Code Section III 19 74 Edition, W/75 Addenda, N/A Code Case
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacement Components 19 89
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	Anderson Greenwood	N04-2337-010	N/A	A120	1977	REPLACED	NO
DISC, VALVE	Anderson Greenwood	A982-3	N/A	A120	1991	REPLACEMENT	NO
BUSHING, HINGE PIN	Anderson Greenwood	N04-2341-003	N/A	A120	1977	REPLACED	NO
BUSHING, HINGE PIN	Consolidated Power Supply	HT# 9R092-LGO	N/A	A120	2005	REPLACEMENT	NO
BOLT, HEX	Anderson Greenwood	N04-2309-004	N/A	A120	1977	REPLACED	NO
BOLT, HEX	NOVA Machine Products	HT# 7404339	N/A	A120	2005	REPLACEMENT	NO
NUT, HEX SLOTTED	Anderson Greenwood	N05-2107-002	N/A	A120	1977	REPLACED	NO
NUT, HEX SLOTTED	NOVA Machine Products	HT# 8079541	N/A	A120	1998	REPLACEMENT	NO
Valve Body	Anderson Greenwood	N04-2336-001	N/A	A120	1977	Repaired	NO
Valve Flange	Anderson Greenwood	N05-2104-023	N/A	A120	1977	Repaired	NO

7. Description of Work Weld repair of flange and seating surfaces and replacement of internal valve parts
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure
 Other Pressure 450 psi Test Temp: ambient °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: Repair and replacement per PO 00403938, see attached NR-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 Repair/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. Niles, RRR COORDINATOR Date 11-8, 2005
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 H.S.B. CT of Hartford, CT. have inspected the components described in this Owner's Report during the period 10/26/05 to 11/8/05, 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.

J. A. Muckley Commissions 126-1254
Inspector's Signature National Board, State Province, and Endorsements

Date Nov. 8, 20 05

118472

CORRECTED COPY

FORM NR-1 REPORT OF REPAIR MODIFICATION OR REPLACEMENT
TO NUCLEAR COMPONENTS AND SYSTEMS IN NUCLEAR POWER PLANTS

1. Work performed by CRANE Nuclear, Inc. PO # 000403938, Rev. 004 002
(name of NR certificate holder) (P.O. no., job no., etc.)
860 Remington Blvd., Bolingbrook, IL 60440
(address)
2. Owner Exelon Generation Company LLC
(name)
PO Box 805388, Chicago, IL 60680-5388
(address)
3. Name, address and identification of nuclear power plant Byron Nuclear Station
4450 North German Church Rd., Byron IL 61010
4. System N/A
- 5a. Items Which Required Repair, Modification, or Replacement Activities

pkc 1/7/05
LW 11/7/05

No	Type of Item	Identification						Construction Code				Repair/Mod/Replace
		Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/Section/Division	Edition/Addenda	Code Case(s)	Code Class	
1	6" Check Valve	Anderson, Greenwood	A120	N/A	N/A	None	1990	B&PV Section III Division I	1974 Winter 75	None	3	Repair/Replace
2												
3												
4												
5												
6												
7												
8												
9												
10												
11												
12												

5b. Items Installed During Replacement Activities

Type of Item	Installed or Replaced 5a Item No.	Identification						Construction Code			
		Mfg. Name	Mfg. Serial No.	Nat'l Bd. No.	Jurisd. No.	Other	Year Built	Name/Section/Division	Edition/Addenda	Code Case(s)	Code Class
N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

6. ASME Code Section XI applicable for inservice inspection: None None None
(edition) (addenda) (Code Case(s))
7. ASME Code Section XI used for repairs, modifications, or replacements: 1989 None None
(edition) (addenda) (Code Case(s))
8. Construction Code used for repairs, modifications, or replacements: 1974 Winter 75 None
(edition) (addenda) (Code Case(s))
9. Design responsibilities Anderson, Greenwood and Co. (Houston, TX)
10. Tests conducted: hydrostatic pneumatic design pressure pressure 450 psi Code Case(s) None

pkc 1/7/05
LW 11/7/05
1/11/05

NATIONAL BOARD INSPECTION CODE

11. Description of work Clean & blast valve Body, inspect, grind/machine Flange & Seating surface, PT Flange & Seating
(use of properly identified additional sheet(s) or sketch(es) is applicable)

Surface, repair weld, machine repair area, PT repair area, reassemble using customer supplied parts, performed Hydrostatic Shell & Seat tests, cleaned, "NR" Stamped, painted, ship. The following customer supplied parts were Replaced:

PART	CAT ID #	SERIAL #	PART	CAT ID #	SERIAL #
Bushing Link	38586-1	N/A	Hinge Pin Bushing	21094-1	N/A IT # 9R092-LGO
Cotter Pin	483579	N/A	Torsion Spring	35594-2	N/A
Bushing Seal	483607-4	N/A	Hinge Pin	38515-1	N/A
Hinge Pin Sleeve	483760	N/A	Linkage Link	35474-2	N/A
Bolt Seal	496187	N/A	Helicoil	35544-2/3 5544-1	N/A
Hex Nut	20610-1	N/A HT # 8079541	Washer	792G01	
Hex Screw	20704-1	N/A HT # 7404309 <u>7404339</u>			
Valve Plate (Disc)	21090-1	N/A A982-3			

Handwritten notes:
 11/7/05
 11/7/05

12. Remarks CNISO No. 27573-02
Description of Valve: 6" Model CV1B-0615-SCM-N8, 150#, Check Valve
Original Equipment Manufacturer was Anderson, Greenwood and Company (Houston, TX)

CERTIFICATE OF COMPLIANCE

I, Jerome A. Kurowski, P.E., certify that to the best of my knowledge and belief the statements made in this report are correct and the repair, modification or replacement activities described above conform to Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

National Board Certificate of Authorization No. NR-24 to use the "NR" stamp expires February 17, 2006

NR Certificate Holder CRANE Nuclear, Inc.

Date Nov. 3, 2005 Signed [Signature] Sr. Quality Assurance Engineer
(authorized representative) (title)

CERTIFICATE OF INSPECTION

I, Lee Malaban, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and certificate of competency issued by the jurisdiction of Illinois and employed by HSBCT of Hartford, CT have

inspected the repair, modification or replacement described in this report on November 3, 2005 and state that to the best of my knowledge and belief, this repair, modification or replacement activity has been completed in accordance with Section XI of the ASME Code and the National Board Inspection Code "NR" rules.

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

Date Nov. 3, 2005 Signed [Signature] Commissions NB 8756 ANI, IL 1085
(inspector) National Board (incl. endorser's name, jurisdiction, and no.)
Lee Malaban

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

1. Owner Exelon Nuclear Date 10/06/06
 Name _____
4300 Winfield Road, Warrenville, IL Sheet 1 of 1
 Address _____
2. Plant Byron Nuclear Power Station Unit 0
 Name _____
4450 N. German Church Road, Byron, IL Purchase Order No. 406305
 Address _____ Repair Organization, P.O. No., Job No., etc.
3. Work Performed by Anderson Greenwood Crosby Type Code Symbol Stamp Not Applicable
 Name _____ Authorization No. Not Applicable
43 Kendrick St., Wrentham, MA 02093 Expiration Date Not Applicable
 Address _____
4. Identification of System XX - SPARE VALVE (6" SWING CHECK)
5. (a) Applicable Construction Code ASME Section III 1974 Edition, W75 Addenda, NONE Code Case
 (b) Applicable Edition of Section XI Used for Repair/Replacement Activity: 2001 Edition/2003 Addenda
 (c) Section XI Code Case(s) NONE
6. Identification of Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Corrected, Removed, or Installed	ASME Code Stamped (Yes or No)
VALVE BODY END FLANGE FACES	ANDERSON GREENWOOD	N04-2336-001	N/A	VLV S/N N26076	1990	CORRECTED	YES
VALVE DISC PLATE	ANDERSON GREENWOOD	A925-2	N/A	VLV S/N N26076	1990	REMOVED	NO
VALVE DISC PLATE	ANDERSON GREENWOOD	N97552-32-006	N/A	VLV S/N N26076	2005	INSTALLED	NO
DRILLED HEX HEAD BOLT	ANDERSON GREENWOOD	B047	N/A	VLV S/N N26076	1993	REMOVED	NO
DRILLED HEX HEAD BOLT	NOVA MACHINE PRODUCTS	HT: 7404339	N/A	VLV S/N N26076	2005	INSTALLED	NO
SLOTTED HEX NUT	NOVA MACHINE	HT 8079541	N/A	VLV S/N N26076	1991	REMOVED	NO
SLOTTED HEX NUT	NOVA MACHINE PRODUCTS	HT: 8079541	N/A	VLV S/N N26076	1998	INSTALLED	NO
HINGE PIN BUSHING (2)	ANDERSON GREENWOOD	B487 B859	N/A	VLV S/N N26076	1999	REMOVED	NO
HINGE PIN BUSHING (2)	ANDERSON GREENWOOD	B859 N97556-33-004	N/A	VLV S/N N26076	1999 2005	INSTALLED	NO

7. Description of Work Machine valve body end flange gasket seating surfaces to restore condition. Replace Valve disc, hex head bolt, slotted hex nut and hinge pin bushings.
8. Test Conducted: Hydrostatic Pneumatic Nominal Operating Pressure Exempt
 Other Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Purchase Order No. 406305
Applicable Manufacturer's Data Reports to be attached

CERTIFICATE OF COMPLIANCE

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

Type Code Symbol Stamp Not Applicable

Certificate of Authorization No. Not Applicable

Signed [Signature] RRR Coord Date 10/11, 20 06
Owner or Owner's Designee, Title

CERTIFICATE OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by HSB CT of Hartford, CT have inspected the components described in this Owner's Report during the period 7/6/06 to 10/2/06, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

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

Date: October 12, 20 06

Section 6.0
Containment Inservice Inspection Report

EC 363076 Rev. 0

EVALUATE CONDITIONS THAT DID NOT MEET THE ACCEPTANCE CRITERIA DURING THE 2nd IWL 5-YEAR CONTAINMENT CONCRETE SURVEILLANCE

Reason for Evaluation/Scope:

This evaluation is being performed to address all conditions that exceeded the acceptance criteria established by the Owner in surveillance packages for the conduct of the 2nd IWL containment concrete surveillance (per Ref.'s 2 & 3) at Byron. These conditions were documented individually in the following IR's:

- 1) IR #515883: CORROSION LEVELS FOR TENDON H01EF-F CAN IN U-2 FAILS AC (the acceptance criteria is no active corrosion).
- 2) IR #515877: CORROSION LEVELS FOR TENDON H01AC-C CAN IN U-1 FAILS AC (the acceptance criteria is no active corrosion).

The above conditions are evaluated as acceptable since adequate design margins exist and therefore, no repair/replacement is required until the 25th-yr tendon surveillance (scheduled in 2009) where these cans will be replaced like for like.

This evaluation includes the requirements of the "Evaluation Report" section of Ref.1. As such, the following items have been addressed in this evaluation report:

- 1) The cause of the condition that does not meet the acceptance criteria,
- 2) The applicability of condition to the opposite unit,
- 3) The acceptability of the concrete containment and hence, the acceptability of the condition,
- 4) Whether or not repair/replacement activity is required and,
- 5) Extent, nature and frequency of additional examinations.

In the Detailed Evaluation portion of this document, both conditions described in the IR's above are addressed.

Detailed Evaluation:

1) The Unit-2 tendon grease can H01EF-F and Unit-1 tendon grease can H01AC-C exhibited active corrosion as indicated by the presence of a reddish layer of corrosion on the outer surface of the cans. This condition was observed during the conduct of the 2nd IWL 5-yr containment structure concrete surfaces and exceeded the acceptance criteria established by the Owner (provided in Ref's. 3 & 2 respectively and given here as Attachment 1). The grease cans are located at the base of the containment structures in enclosed buttresses with moisture present on the floor of the buttresses. It is the presence of this moisture in this environment that had contributed to the corrosion on the cans. The moisture has since been removed and no source of new moisture has been identified.

Upon close examination of the corrosion condition of the tendon grease cans, it was noted that the corrosion is not in the form of delamination and only as a thin layer of dust. Based upon the freshness of the color of the corrosion products and the fact that these grease cans were not identified as having corrosion in the 1st IWL 5-yr containment concrete surfaces examination

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**EVALUATE CONDITIONS THAT DID NOT MEET THE ACCEPTANCE CRITERIA DURING
THE 2nd IWL 5-YEAR CONTAINMENT CONCRETE SURVEILLANCE**

(Ref's 4 & 5), it was determined that active corrosion is taking place. However, it was also determined that only superficial metal loss on the can surfaces had taken place. No corrosion was taking place on the can bolts and the welds also were unaffected.

The tendon grease cans only hold grease and do not serve any other structural function. The grease cans are made out of a 1/8" steel sheet rolled into a tube and welded to two 3/4" thick plates (lid and flange) to complete a cylinder (Ref. 8).

The amount of metal loss due to the observed corrosion is minimal and considering the length of time it has taken for the corrosion to develop, it is acceptable and it will not challenge the structural integrity of the grease cans and the cans will retain their ability to hold grease. The grease can replacement is required during the 25th-yr tendon surveillance (scheduled in 2009 per Ref's 6 & 7). Instructions have been added to the work orders (Ref's 6 & 7) to ensure replacement cans are procured and installed.

These grease cans will also be inspected one additional time prior to the 3rd 5-yr containment concrete examination surveillance to monitor the condition of the corrosion. This is tracked by ATI's 515883-03 and 515877-03 for Units 2 and 1 respectively. Therefore, although the observed condition exceeded the acceptance criteria established in Ref's 2 & 3, it met the acceptance criteria for the external grease can examinations of section 4.3.1 of Ref. 9.

During the conduct of this surveillance, all tendon grease cans at both Units were examined and no active corrosion was observed on any of the remaining grease cans.

The frequency of the containment concrete surfaces examination remains at 5 years with the additional examination scheduled once prior to the 3rd 5-yr surveillance.

Conclusion:

The active corrosion on tendon grease cans H01EF-F (Unit-2) and H01AC-C (Unit-1) as documented in this evaluation is acceptable (does not challenge the ability of the tendon grease cans to hold grease) without additional corrective actions until they are replaced in 2009 (per Ref's 6 & 7).

The existing frequency of concrete surfaces examination surveillance (every 5 years) is therefore, considered adequate per the current Concrete ISI Program requirements. The additional examinations are tracked by ATI's 515883-03 and 515877-03 for Units 2 and 1 respectively.

References:

- 1) 2001 Edition with the 2003 Addenda of ASME Section XI, Subsection IWL, Paragraph IWL-3310
- 2) WO #713045-01 (Unit-1)
- 3) WO #713046-01 (Unit-2)
- 4) WO #99238605-01 (Unit-2)

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**EVALUATE CONDITIONS THAT DID NOT MEET THE ACCEPTANCE CRITERIA DURING
THE 2nd IWL 5-YEAR CONTAINMENT CONCRETE SURVEILLANCE**

- 5) WO #99238606-01 (Unit-1)
- 6) WO #943328-01 (Unit-1)
- 7) WO #943330-01 (Unit-2)
- 8) Inland Ryerson drawing No. 170W18R (Attachment 2).
- 9) ER-AA-330-006 procedure (Rev.03)

Answers to applicable DAR questions:

Question 4.1.4.1:

The containment structures are designed to contain radioactive material that may be released from the reactor core following a design basis Loss Of Coolant Accident.

Additionally, they provide shielding from the fission products that may be present in the containment atmosphere following accident conditions. The tendon grease cans function to hold tendon sheathing protection medium.

Question 4.1.4.2:

The containment structures are Safety-Related.

Question 4.1.4.3:

The containment structures are seismically qualified.

Question 4.1.39:

The tendon grease cans only serve to retain grease and therefore, must only be able to support self weight and any applicable weight of grease (primarily only the grease inside the can). They are not subject to any other civil or structural loading requirements.

Question 4.1.40:

The grease cans are not safety-related and are not seismically qualified.

Preparer: Nader Vakili Date: 10/20/06

Reviewer: Ron Janowiak Date: 10/25/06

Approved: Ken Kovar Date: 10/26/06

 Jeff Hendricks Date: 10/31/06
ANII Representative

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**EVALUATE CONDITIONS THAT DID NOT MEET THE ACCEPTANCE CRITERIA DURING
THE 2nd IWL 5-YEAR CONTAINMENT CONCRETE SURVEILLANCE**

Attachment 1:

Recordable indications:

Cracks, exposed rebars or other metallic items, grease leakage, moisture, leaching, settlement, deflections, popouts, voids, spalls, honeycombs, bug holes, corrosion, scaling, coating deteriorations (including damage, flaking, blistering, peeling or missing coating), abrasions, wear, efflorescence, deviations from design drawings, and other irregularities.

Acceptance Criteria per IWL 3211 for components subject to the examination Category L-A requirements of IWL subsection (there are no augmented examinations) shall be as follows:

General conditions:

- a) No evidence of unusual contamination, foreign material or debris.
- b) No abrasion, erosion, cavitation, wear or any other degradation mechanism resulting in significant loss of concrete material.
- c) No unusual bulges on containment vessel structure.
- d) No deviation from the design drawings.
- e) No other conditions specified or not specified in the "Recordable Indication Type Codes" table of Attachment 6 of ER-AA-335-018 procedure that may violate the containment leak-tight integrity.

Tendon anchorage grease cans:

- a) No deformed or sheared threads in the zone of thread engagement of bolts, studs or nuts.
- b) No localized general corrosion that reduces the bolt or stud cross-sectional area.
- c) No bending, twisting or deformation of bolts or studs to the extent that assembly or disassembly is impaired.
- d) No fractured bolts, studs or nuts.
- e) No evidence of damage or discontinuities that may prevent an acceptable gasket seal between the bearing plate and the grease can.
- f) No bolting conditions that do not meet design/material specifications/drawings.
- g) No evidence of active corrosion.
- h) No evidence of grease leakage exceeding 10% of duct volume of the associate tendon.

Coated and uncoated concrete surfaces:

- a) No evidence of flaking, peeling, blistering, discoloration or other signs of distress other than caused by mechanical damage.
- b) No evidence of active coating wear or erosion.
- c) No appearance of leaching or concrete attack.
- d) No evidence of missing required coating.
- e) No harsh environments that may reduce the life of the coating.
- f) No popouts, scaling, spalls and bug holes of any shape and size that breach the concrete cover.
- g) No corrosion staining of undefined source on the concrete surfaces.
- h) No cracks greater than .04" in maximum width.
- i) No settlement or deflection visible to the unaided eye.
- j) No occurrence of exposed reinforcing steel other than nonstructural exposed rebars, embedded metallic or nonmetallic items that do not adversely impact the structural function of the components.
- k) No apparent patch or repair on the concrete surface.
- l) No wetness other than temporary moisture.
- m) No surface Efflorescence other than those from adjacent non-IWL components.

Items exceeding the acceptance criteria shall be considered **suspect areas** and would require introduction into the plant's Corrective Action Program and, resolution in accordance with IWL section 3000 (and applicable parts of section 4.7 of ER-AA-335-018). If a documented resolution, either complete or ongoing, exists that adequately addresses the as-found observed condition, it need not be considered a suspect area and should be recorded for information only.

Recordable Indications that are not classified as suspect areas do not require documentation in the plant's CAP.

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EVALUATE CONDITIONS THAT DID NOT MEET THE ACCEPTANCE CRITERIA DURING
THE 2nd IWL 5-YEAR CONTAINMENT CONCRETE SURVEILLANCE

Attachment 2:

