

## **4.0 NIS-1 FORM**

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



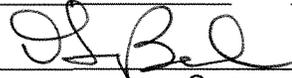
**FORM NIS-1 (Back)**

- 8. Examination Dates: October 25, 2004 to July 17, 2006
- 9. Inspection Period Identification: 3<sup>rd</sup> Period - From July 29, 2005 through July 28, 2008
- 10. Inspection Interval Identification: 2<sup>nd</sup> Interval - From July 29, 1998 through July 28, 2008
- 11. Applicable Edition of Section XI 1989 Edition Addenda No Addenda
- 12. Date/Revision of Inspection Plan: April 13, 2006 / Revision 9a
- 13. Abstract of Examination and Tests. Include a list of examinations and tests and a statement concerning status of work required for the Inspection Plan. See Attached Sections 2 and 3.
- 14. Abstract of Results of Examinations and Tests. See Attached Sections 2 and 3.
- 15. Abstract of Corrective Measures. See Attached Sections 2 and 3.

We certify that a) the statements made in this report are correct, b) the examinations and tests meet the Inspection Plan as required by the ASME Code, Section XI, and c) corrective measures taken conform to the rules of the ASME Code, Section XI.

Certificate of Authorization No. (if applicable) Not Applicable Expiration Date Not Applicable

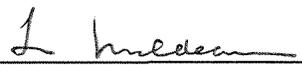
Date 7/18 2006 Signed Exelon Nuclear Braidwood Station

By  Braidwood Station Engineering Programs Manager  
Owner

**CERTIFICATE OF INSERVICE INSPECTION**

<sup>2nd by 7/24/06</sup>  
I, the undersigned holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors in the State or Province of Illinois and employed by Hartford Steam Boiler Inspection and Insurance Company of Connecticut have inspected the components described in this Owner's Report during the period 10/25/04 to 7/17/06 and state that to the best of my knowledge and belief, the Owner has performed examinations and tests and taken corrective measures described in this Owner's Report in accordance with the Inspection Plan and as required by the ASME Code, Section XI.

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

 Commissions NB # 8756 IL # 1085 N I C  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-19- 2006

## 5.0 REPORT OF CONTAINMENT DEGRADATION

The NRC amended 10CFR 50.55a to incorporate by reference the 1992 Edition with the 1992 Addenda of Subsection IWE (Requirements for Class MC and Metallic Liners of Class CC Components of Light-Water Cooled Power Plants) and Subsection IWL (Requirements for Class CC Components of Light-Water Cooled Power Plants) of ASME Section XI, Division 1, with specified modifications and limitations. The following section is included in the Inservice Inspection Summary report required by IWA-6000 of ASME Section XI to meet the reporting conditions specified in 10CFR 50.55a(b)(2)(viii)(A)-(E) and 10CFR 50.55a(b)(2)(ix)(A)-(E).

### 5.1 A1R12 Containment Concrete Examinations (IWL)

Unit 1 and Unit 2 IWL tendon and concrete examinations under the 20<sup>th</sup> year post tensioning surveillance began in March of 2006, and are scheduled to be complete in September of 2006 (prior to the A2R12 refuel outage). Concrete examinations for both units were ongoing at the time this report was prepared. Final reporting of any degraded conditions of Unit 1 containment concrete described in 10 CFR 50.55a(b)(2)(viii)(E) will be included in the A1R13 (Fall 2007) IWA-6000 report. Unit 2 IWL tendon and concrete reportable conditions [10 CFR 50.55a(b)(2)(viii)(D) and 10 CFR 50.55a(b)(2)(viii)(E)] will be provided in the A2R12 (Fall 2006) IWA-6000 report.

At the time this report was prepared, Unit 1 tendon inspections had been completed. The presence of free water was the only 10 CFR 50.55a(b)(2)(viii)(D) reportable condition identified.

The following table documents identified conditions as required by 10 CFR 50.55a(b)(2)(viii)(D)(1) for sampled sheathing filler grease containing chemically combined water exceeding 10 percent by weight or the presence of free water.

<b>TENDON EXAMINED</b>	<b>Issue Report (IR) Number and Identified Condition</b>	<b>Evaluation Results</b>
Horizontal Tendon H02-BA	IR 493628: Two ounces free water were collected from shop end and eight ounces free water were collected from field end	No evidence of degradation identified during visual examination; sheathing filler grease samples and free water samples were analyzed in accordance with IWL-2525, acceptance standards were met. New grease added.
Horizontal Tendon H01-AC	IR 493587: Five ounces of free water were collected	No evidence of degradation identified during visual examination; sheathing filler grease samples and free water samples were analyzed in accordance with IWL-2525, acceptance standards were met. New grease added.
Dome Tendon D1-37	IR 493576: Twenty-three ounces of free water were collected	No evidence of degradation identified during visual examination; sheathing filler grease samples and free water samples were analyzed in accordance with IWL-2525, acceptance standards were met. New grease added.
Horizontal Tendon H67-CB	IR 476077: One ounce of free water was collected	No evidence of degradation identified during visual examination; sheathing filler grease samples and free water samples were analyzed in accordance with IWL-2525, acceptance standards were met. New grease added.
Horizontal Tendon H-01BA	IR 510189: Pockets of free water (not quantifiable) were observed in the sheathing filler grease, moisture content acceptance criteria exceeded	No evidence of degradation identified during visual examination; sheathing filler grease samples and free water samples were analyzed in accordance with IWL-2525, acceptance standards were met. New grease added.

## 5.2 A1R12 Containment Examinations (IWE)

A Section XI IWE augmented examination, which includes a VT-1 surface examination and ultrasonic examination per the requirements of ASME Section XI, Table IWE-2500-1, Examination Category E-C of the Class CC liner was scheduled for A1R12. This was the second scheduled IWE augmented examination of the Unit 1 liner. A Section XI IWE General Visual Examination per requirements of Table IWE-2500-1, Examinations Category E-A was also scheduled for A1R12. Exelon Procedure ER-AA-330-007 was used to perform the augmented and general visual examinations. Exam Data Form Attachment 4 from Exelon Procedure ER-AA-335-018 was generated to characterize the extent of indications on the Class CC liner as a result of VT-1 surface exam and general visual examination.

The IWE VT-1 examination is summarized in the following sections:

### 5.2.1 Description of Degradation Type and Estimated Extent of Degradation

Nineteen augmented areas were examined. All areas had insignificant changes and were essentially unchanged. The maximum metal reduction found was identical to the A1R10 reduction of 5/64" deep. This was at location #3, which remained unchanged. There was one location, #19.5, which had a measured pit depth change from 2/64" to 3/64" since last augmented exam in A1R10. This change in pit depth measurement may be contributed to difference in the conditions it was measured during A1R10 and A1R12 outages. The pit depth for area #19.5 measured in A1R10 was with coating off. The A1R12 pit depth was measured with coating in place. The As-Found condition of liner coating at location #19.5 was excellent for A1R12. The entire location #19.5 was still coated from A1R10. There was no sign of any active corrosion. The moisture barrier was in tact and Cerablanket was dry when removed. The pit is on the I.D. of liner. The four U.T. data points at location #19.5 exceeded .25" (nominal liner thickness). This augmented area will be re-examined in the next period.

The nineteen augmented areas were ultrasonically examined and the following are the results:

All augmented areas were ultrasonically examined. The IWE-3512-3 ultrasonic examination requirement of not exceeding 10% nominal containment wall thickness was met at all augmented areas. The liner thickness measurements varied from 0.248" to 0.265". Nominal liner thickness is 0.25". No further evaluation is required for the ultrasonic results.

The above-described conditions of the accessible areas (where the moisture barrier and Cerablanket were removed in A1R12) do not indicate the presence of or result in degradation to the inaccessible areas that are located below these accessible areas.

### 5.2.2 Conditions Leading to Degradation

The degradation to the liner was a result of moisture barrier aging. This was determined during A1R08 outage. The moisture barrier degradation combined with impingement of water as a result of fan cooler condensate leakage established the conditions for liner degradation. Water had a path to flow between the moisture barrier and the liner. Water was entrapped below the Tremco epoxy sealant into the Cerablanket material and above the adhesive used to anchor the compressible material in the 2-inch annular space

between the basemat and the liner. The surface of the liner remained wetted, and with the presence of oxygen, the liner began to degrade.

The localized maximum wastage of material was measured to be 5/64 of an inch, which is 32% of the liners nominal thickness of 1/4 inch.

It is apparent that the corrective actions that were performed during A1R08 and A1R10 have corrected the problem of any further liner metal reduction. The examined areas were dry and there was no active corrosion found beneath the removed moisture barrier. The corrective actions that took place during A1R08 were as follows:

- 1) Remove the entire moisture barrier and 3" of Cerablanket below it.
- 2) Recoat the exposed liner below the moisture barrier with Service Level 1 qualified coating.
- 3) Install new dry Cerablanket and moisture barrier.

### 5.2.3 Evaluation of Each Area and Results of Evaluation

Calculation 5.2.6-BRW-98-1090 and calculation BYR98-004 had addressed localized defects in the liner plate membrane in the form of gouges created during the concrete removal activities for the Steam Generator Replacement (SGR) projects at both Byron and Braidwood Stations. The calculations evaluate the effect of those defects based on criterion from calculation 5.2.6.1.4 for plate design in conjunction with conservative plate behavior characteristics. These calculations conclude that gouge depths as great as 1/8 inch are acceptable. The additional buckling strain introduced by the reduced thickness of the plate, when combined with the non-thickness dependent strains, results in a total strain of approximately 0.00834 in/in, which is below the code allowable strain of 0.01400 in/in.

Since the reduction in the liner plate thickness evaluated in calculation 5.2.6-BRW-98-1090 is not source dependent, i.e. gouges, nicks, etc., localized reduction in the liner plate thickness due to corrosion and degradation can also be evaluated using the same methodology and conclusions. Therefore, reductions in liner plate thickness as great as 1/8 inch due to corrosion and degradation are also acceptable.

The defects in the liner plate recorded in the inspection report have been reviewed and evaluated with respect to this acceptance criterion. The defects identified are all bounded by this 1/8-inch plate thickness reduction limit and are, therefore, acceptable as-is.

Local defects in the Braidwood containment liner plates not exceeding 1/8 inch in depth are acceptable. The reduction of plate thickness in the areas of degradation is less than 1/8 inch.

The maximum of 1/8 inch reduced thickness of the liner plate has been shown by analysis to satisfy the requirements of the design specifications. Therefore, liner reduction is acceptable for continued service without removal or repair in accordance with IWE-3122.4.

The corrective actions that took place during A1R10 were the same as A1R08 except they were performed in the augmented areas only.

#### 5.2.4 Description of Necessary Corrective Actions (Outage A1R12)

The exposed liner area directly below the moisture barrier approximately 4" in width, where the augmented exam was performed was surface prepared for Level I coatings application. A Service Level 1 qualified coating was applied to the portion of the liner below the moisture barrier that was exposed for augmented exam per WO 745607. New dry Cerablanket material was installed below the MB. The MB was restored per WO 784477.

The entire moisture barrier was removed during A1R08 outage. This A1R12 exam is an augmented exam of areas found exceeding 10% metal reduction during A1R08 and A1R10. The exposed liner areas had an intact dimeric moisture barrier and the removed Cerablanket was dry. The liner was also dry and there was no evidence of active liner corrosion taking place. Since the examination areas were dry, the maximum metal reduction was not exceeded. There was no active corrosion taking place and there were no indications of degradation in any other inaccessible areas. Approximately 80% of the entire moisture barrier was also VT-3 examined with no indications identified that would permit any water intrusion to take place.

All previously identified augmented areas were examined. There are no additional examinations in accordance with IWE-2430 required.

All the augmented areas shall be re-examined over the third and final augmented period except for augmented areas that had some change or were initially documented during A1R10 outage. These areas will be re-examined over the next 2 inspection periods until the areas examined remain essentially unchanged for three (3) consecutive inspections periods.

**6.0 NIS-2 FORM (OWNER’S REPORT FOR REPAIRS OR REPLACEMENTS)**

**SUMMARY OF NIS-2 FORMS**

System	ASME Code Classification	
	Code Class 1	Code Class 2
Auxiliary Feedwater (AF)	-	4
Chemical & Volume Control (CV)	2	11
Containment Spray (CS)	-	1
Instrument Air (IA)	-	1
Main Steam (MS)	-	3
Reactor Coolant (RC)	2	-
Reactor Pressurizer (RY)	6	-
Safety Injection (SI)	1*	-
Steam Generator Blowdown (SD)	-	1
	<b>Total NIS-2 Forms</b>	<b>32</b>
	<b>Total Pages</b>	<b>32</b>

\* Boundary valve between Class 1 and 2.

Associated NIS-2 Forms are attached.

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348
2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
3. Work Performed By: G. N. Venture  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
4. Identification of System: Auxiliary Feed Water (AF) (Class 2 System)

Date 5/17 2006  
 Sheet 1 of 1

Work Order #00773927-01  
 Repair Organization P.O., Job No., etc

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: None

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Winter 1975 Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
4" 900# Class Check Valve	Anderson, Greenwood & Co.	Not Recorded	Not Applicable	1AF014E	Not Recorded	Replaced	Yes
4" 900# Class Check Valve	Anderson Greenwood Crosby	N99710-00-0008	Not Applicable	Cat ID 1400910-1 UTC 2736123	2006	Replacement	Yes

7. Description of Work: Replaced existing hinge pin bushings and hex nuts during valve maintenance.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1087 psig Test Temp. 90 °F
9. Remarks: VT-2 exam performed and accepted on 5/3/2006. Applicable Manufacturer's Data Reports (Form NPV-1 and certificates of conformance) were attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/17, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/7/2005 to 5/17/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5-17, 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348  
 Date 5/17/2006  
 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  
 Work Order #00748774-01  
 Repair Organization P.O., Job No., etc
3. Work Performed By: G. N. Venture  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  
 Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Auxiliary Feed Water (AF) (Class 2 System)
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Winter 1975 Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
4" 900# Class Check Valve	Anderson, Greenwood & Co.	Not Recorded	Not Applicable	1AF014A	Not Recorded	Replaced	Yes
4" 900# Class Check Valve	Anderson Greenwood Crosby	N99710-00-0008	Not Applicable	Cat ID 1400910-1 UTC 2736356	2006	Replacement	Yes

7. Description of Work: Replaced existing hinge pin bushings and hex nuts during valve maintenance.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1087 psig Test Temp. 90 °F
9. Remarks: VT-2 exam performed and accepted on 5/3/2006. Applicable Manufacturer's Data Reports (Form NPV-1 and certificates of conformance) were attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/17, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/7/2005 to 5/17/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5-17 2006



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

1. Owner : Exelon Generation Co., LLC Date 5/17 2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #99241378-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By: G. N. Venture Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Auxiliary Feed Water (AF) (Class 2 System)
- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Winter 1975 Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
4" 900# Class Check Valve	Anderson, Greenwood & Co.	Not Recorded	Not Applicable	1AF014F	Not Recorded	Replaced	Yes
4" 900# Class Check Valve	Anderson Greenwood Crosby	N99710-00-0007	Not Applicable	Cat ID 1400910-1 UTC 2736124	2006	Replacement	Yes

7. Description of Work: Replaced existing hinge pin bushings and hex nuts during valve maintenance.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1087 psig Test Temp. 90 °F
9. Remarks: VT-2 exam performed and accepted on 5/3/2006. Applicable Manufacturer's Data Reports (Form NPV-1 and certificates of conformance) were attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casuy ISI Coordinator Date 5/17, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/5/2005 to 5/17/2006, 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.

L. Huen  
 Inspector's Signature

Commissions IL1085  
 National Board, State, Province, and Endorsements

Date 5-17, 2006

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

1. Owner : Exelon Generation Co., LLC Date 5/19/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00588048-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By: G. N. Venture Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Chemical and Volume Control (CV) (Class 1 System)
- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
Disc/Arm Assembly from 3" Valve 1CV8379A	Westinghouse Electro-Mechanical Division	Not Recorded	N/A	1CV8379A	Unknown	Replaced	Yes (Valve)
Disc/Arm Assembly	Westinghouse Electro-Mechanical Division	Serial Number 2954 Heat X-15739	N/A	Cat ID 8322-1 UTC 2033306	1981	Replacement	No

7. Description of Work: Replaced existing disc/arm assembly based on check valve program inspection results.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Required psig Test Temp. Not Required °F
9. Remarks: Section XI pressure testing is not required for disc/arm assembly replacement. Valve is within ascending Mode 3 walk down boundary and was examined on 5/3/2006. Applicable Manufacturer's Data Report was attached at the time of final review and is maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J Casey ISI Coordinator Date 5/19, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 11/16/2005 to 5/19/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5-19, 2006

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

1. Owner : Exelon Generation Co., LLC Date 7/5/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00914213-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By: Braidwood Station Mechanical Maintenance Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Chemical Volume and Control (CV) Class 1 portion of system
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases: 1644 Revision 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-108, and N-180  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
PSA-1/4 Mechanical Snubber 1CV15039S(1)	ITT Grinnell	S/N 8052	Not Applicable	1CV15039S(1)	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber 1CV15039S(2)	ITT Grinnell	S/N 3128	Not Applicable	1CV15039S(2)	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber for 1CV15039S(1)	ITT Grinnell	S/N 12538	Not Applicable	Cat ID 30456-1 UTC 2693538	Not Recorded	Replacement	No
PSA-1/4 Mechanical Snubber for 1CV15039S(2)	ITT Grinnell	S/N 14610	Not Applicable	Cat ID 30456-1 UTC 2693541	Not Recorded	Replacement	No

7. Description of Work: Replaced both of two existing snubbers (dual snubber support) that failed performance during A1R12 outage functional test (reference Issue Report 480901). Replacement snubbers were functionally tested prior to installation. Snubber failures were attributed to increased friction between moving parts due to lack of lubrication/protective coating per BwVS TRM 3.7.b.1-2 failure evaluation.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Applicable psig Test Temp. Not Applicable °F
9. Remarks: VT-3 exam of both snubbers was performed after reinstallation. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 7/5, 2006  
 Owner or Owners 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 and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/20/2006 to 7/5/2006, 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

Page 6-7 Commissions IL1085  
 National Board, State, Province, and Endorsements

Date 7-5-2006

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

1. Owner : Exelon Generation Co., LLC  
Address: 300 Exelon Way, Kennett Square, PA 19348

Date 6/20/2006  
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00648341-01  
Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None  
Authorization No.: None  
Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases 1567\*, 1607\*, and 1637\*  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
(c) Section XI code Cases used: N-579

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)
Head flange bolting (1 1/2"-8 rod and heavy hex nuts) for 1CV01AB heat exchanger head connection	Not Recorded	Not Recorded	Not Applicable	1CV01AB	Unknown	Replaced	No
1 1/2"-8 diameter threaded rod	Nova Machine Products/ Nedschoef Corp.	Heat 148164 Lot 50063110 Trace Code X504 and Heat 28008 Lot 40036609 Trace Code C541	Not Applicable	Cat ID 37109-1 UTC 2731442 and 2616140	2005 1999	Replacement	No
1 1/2"-8 heavy hex nuts	Nova Machine Products	Heat S56793 Lot 50055687 Trace Code F714	Not Applicable	Cat ID 1226582-1 UTC 2725431	2005	Replacement	No
1 1/2"-8 hydraulic nut assemblies ("hydranuts")	Nova Machine Products	Lot 50055837	Not Applicable	Cat ID 1404285-1 UTC 2725432	2005	Replacement	No

7. Description of Work: Replaced all existing heat exchanger head bolting with new material during gasket replacement. Alternative nuts (hydranuts) were installed in accordance with EC 356487. \*Code Cases referenced above are for heat exchanger and do not apply specifically to head flange bolting.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2239 psig Test Temp. 558 F

9. Remarks: Section XI pressure testing not applicable. Connection was examined during ascending Mode 3 walkdown on 5/3/2006, no evidence of leakage was observed. Applicable Manufacturer's Data Report was attached at the time of final review and is maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/20, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/12/2005 to 6/20/2006, 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

**ASME CODE COMPLIANCE REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner : Exelon Generation Co., LLC Date 6/20/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00648341-02  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By: G. N. Venture Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
1CV01AB Excess Letdown Heat Exchanger Tube Side Inlet and Outlet Connection Bolting	Unknown	Not Recorded	Not Applicable	Lines 1CVA3FB-2" and 1CVA4AB-1"	Not Recorded	Replaced	No
7/8"-9 threaded rod	Nova Machine Products Corporation	Heat 7526262 Lot 50014127	Not Applicable	Cat ID 443371-1 UTC 2697732	2002	Replacement	No
7/8"-9 heavy hex nuts	Nova Machine Products Corporation	Heat 8994826 Lot 50032054	Not Applicable	Cat ID 37033-1 UTC 2709419	2005	Replacement	No

7. Description of Work: Replaced existing flange bolting during heat exchanger gasket replacement. Flanged connections are located at a 2" X 1" reducer, which makes connection subject to Section XI repair/replacement rules.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Required psig Test Temp. Not Required °F
9. Remarks: Section XI pressure testing not required for this activity. Connections were inspected during the ascending Mode 3 walkdown on 5/3/2006. Applicable Manufacturer's Data Report was attached at the time of final review and is maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casuy ISI Coordinator Date 6/20, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/24/2005 to 6/20/2006, 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 IL1085  
 National Board, State, Province, and Endorsements

Date 6-20 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348
2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
3. Work Performed By: G. N. Venture  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)
- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases 1567\*, 1607\*, and 1637\*  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (c) Section XI code Cases used: N-579

Date 6/20/2006  
 Sheet 1 of 1

Work Order #00648342-01  
 Repair Organization P.O. Job No., etc

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: 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)
Head flange bolting (1 1/2"-8 rod and heavy hex nuts) for 1CV01AA heat exchanger head connection	Not Recorded	Not Recorded	Not Applicable	1CV01AB	Unknown	Replaced	No
1 1/2"-8 diameter threaded rod	Nova Machine Products/ Nedschoef Corp.	Heat 148164 Lot 50063110 Trace Code X504 and Heat 28008 Lot 40036609 Trace Code C541	Not Applicable	Cat ID 37109-1 UTC 2731442 and 2616140	2005 1999	Replacement	No
1 1/2"-8 heavy hex nuts	Nova Machine Products	Heat S56793 Lot 50055687 Trace Code F714	Not Applicable	Cat ID 1226582-1 UTC 2725431	2005	Replacement	No
1 1/2"-8 hydraulic nut assemblies ("hydranuts")	Nova Machine Products	Lot 50055837	Not Applicable	Cat ID 1404285-1 UTC 2725432	2005	Replacement	No

7. Description of Work: Replaced all existing heat exchanger head bolting with new material during gasket replacement. Alternative nuts (hydranuts) were installed in accordance with EC 356487. \*Code Cases referenced above are for heat exchanger and do not apply specifically to head flange bolting.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 2239 psig Test Temp. 558 °F
9. Remarks: Section XI pressure testing not applicable. Connection was examined during ascending Mode 3 walkdown on 5/3/2006, no evidence of leakage was observed. Applicable Manufacturer's Data Report was attached at the time of final review and is maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/20, 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 of Province of and employed by HSBC of CT have inspected the components described in this Owner's Report during the period 10/13/2005 to 6/20/2006, 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 IL1085  
 National Board, State, Province, and Endorsements



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

- |   |   |
|---|---|
| 1. Owner : Exelon Generation Co., LLC<br>Address: 300 Exelon Way, Kennett Square, PA 19348  | Date 6/20/2006<br>Sheet 1 of 1  |
| 2. Plant Name: Braidwood Station Unit 1<br>Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  | Work Order #00727278-01<br>Repair Organization P.O., Job No., etc           |
| 3. Work Performed By: G. N. Venture<br>Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  | Code Symbol Stamp: None<br>Authorization No.: None<br>Expiration Date: None |
| 4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)  |   |
| 5. (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Case<br>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda<br>(c) Section XI code Cases used: N-416-3 |   |
| 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)
ER 316/316L Weld Rod (1/8" Diameter) for Body-to-Bonnet Seal Weld for Valve 1CV8368C	Arcos Alloys	Lot DM8294	N/A	Cat ID 8512-1 UTC 2706003	2004	Replacement	No

7. Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspection. Seal weld was examined by liquid penetrant in the finished condition.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure Not Available\* psig Test Temp. Not Available\* °F
9. Remarks: No leakage observed during VT-2 examination performed during ascending Mode 3 walk down on 5/3/2006. (\*)Pressure/Temperature readings are not available (no local or remote instruments), system was verified to be in normal line up. Applicable Manufacturer's Data Report was attached at the time of final review and is maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brandon J. Casey ISI Coordinator Date 6/20, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/16/2005 to 6/20/2006, 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.

I. [Signature] Commissions IL1085  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20, 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348

2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Date 6/21/2006  
 Sheet 1 of 1

Work Order #00732992-01  
 Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)

5. (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
Relief Valve 1SI8856B	Crosby	N56902-00-0008	Not Recorded	1SI8856B UTC 2603995	Not Recorded	Replaced	Yes
Crosby Relief Valve (2" diameter inlet)	Crosby	N56902-00-0029	Not Applicable	Cat ID 27740-1 UTC 2719571	1999 (Refurbished in 2005)	Replacement	Yes

7. Description of Work: Existing relief valve was replaced with a tested spare relief valve to support IST surveillance testing. Spare valve was rebuilt and tested by Byron Station Mechanical Maintenance under WO #617461.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Available\* psig Test Temp. Not Available\* °F

9. Remarks: VT-2 was acceptable on 5/3/2006. \* There are no local or remote Pressure/Temperature instruments associated with this portion of the system. System line up was verified prior to ascending Mode 3 walk down and system was at nominal pressure prior to examination. Applicable documentation for replacement relief valve was attached at the time of final review and is on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casuy ISI Coordinator Date 6/21, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/23/2005 to 6/21/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 6-22, 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348
2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
3. Work Performed By: G. N. Venture  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
4. Identification of System: Chemical and Volume Control (CV) (Class 2 System)
- 5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (c) Section XI code Cases used: N-416-3

Date 6/20/2006  
 Sheet 1 of 1

Work Order #00746571-02  
 Repair Organization P.O., Job No., etc

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: 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)
ER 316/316L Weld Rod (3/32" Diameter) for Body-to-Bonnet Seal Weld for Valve 1CV8348	Arcos Alloys	Lot CF8137	N/A	Cat ID 8500-1 UTC 2702651	2004	Replacement	No
ER 316/316L Weld Rod (1/8" Diameter) for Body-to-Bonnet Seal Weld for Valve 1CV8348	Arcos Alloys	Lot DM8294	N/A	Cat ID 8512-1 UTC 2706003	2004	Replacement	No

7. Description of Work: Reapplied body-to-bonnet seal weld that was removed to gain access to valve internals for surveillance inspection. Seal weld was examined by liquid penetrant in the finished condition.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Available\* psig Test Temp. Not Available\* °F
9. Remarks: No leakage observed during VT-2 examination performed during ascending Mode 3 walk down on 5/3/2006. (\*)Pressure/Temperature readings are not available (no local or remote instruments), system was verified to be in normal line up. Applicable Manufacturer's Data Report was attached at the time of final review and is maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/20, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/14/2005 to 6/20/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 6-20, 2006

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

1. Owner : Exelon Generation Co., LLC  
Address: 300 Exelon Way, Kennett Square, PA 19348
2. Plant Name: Braidwood Station Unit 1  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
3. Work Performed By: G. N. Venture  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Date 6/21/2006  
Sheet 1 of 1

Work Order #00749232-01  
Repair Organization P.O., Job No., etc

Code Symbol Stamp: None  
Authorization No.: None  
Expiration Date: None

4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)
5. (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
(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)
2" Nozzle Type Safety Relief Valve 1CV8121	Crosby	N56900-00-0076	Not Applicable	1CV8121	1998	Replaced	Yes
2" Nozzle Type Safety Relief Valve 1CV8121	Crosby	N56900-00-0077	Not Applicable	Cat ID 27260-1 UTC 2011866	1999 (Refurbished in 2006)	Replacement	Yes

7. Description of Work: Removed existing safety relief valve for IST testing and replaced with tested spare relief valve that was rebuilt by Braidwood Mechanical Maintenance under Task 03.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure Not Available\* psig Test Temp. Not Available\* °F
9. Remarks: VT-2 performed on 5/3/2006 during ascending Mode 3 walk down. \*There are no local or remote pressure or temperature indication instruments specific to this component. The system was verified to be in normal line up prior to performing VT-2. Applicable documentation for replacement relief valve (Form NV-1) was attached at the time of final review and is on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/21, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 2/23/2005 to 6/21/2006, 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. Hudson Commissions IL1085  
Inspector's Signature National Board, State, Province, and Endorsements

Date 6-21, 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348
2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
3. Work Performed By: Braidwood Mechanical Maintenance  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)
- 5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (c) Section XI code Cases used: None

Date 6/21/2006  
 Sheet 1 of 1

Work Order #00749232-03  
 Repair Organization P.O., Job No., etc

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: 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)
Spare Relief Valve 1(2)CV8121 Valve Insert and Nozzle	Crosby	N56900-00-0077	Not Applicable	Valve Cat ID 27260-1	1999	Replaced	Yes
Valve Insert	Tyco Valves & Controls LP Crosby Division	N90448-97-0358	Not Applicable	Cat ID 2056-1 UTC 2714241	2004	Replacement	No
Valve Nozzle	Tyco Valves & Controls LP Crosby Division	N90137-21-0375	Not Applicable	Cat ID 2055-1 UTC 2727882	2005	Replacement	No

7. Description of Work: Spare relief valve (obtained from Byron Station) was rebuilt and tested by Braidwood Mechanical Maintenance and returned to Stores.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Applicable psig Test Temp. Not Applicable °F
9. Remarks: VT-2 performed under Task 01 which installed the rebuilt valve. Applicable documentation for replacement relief valve parts was attached at the time of final review and is on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/21, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 3/31/2006 to 6/21/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 6-21, 2006

**ASME SECTION XI REPORT FOR REPAIRS OR REPLACEMENTS**  
**As Required by the Provisions of the ASME Code Section XI**

1. Owner : Exelon Generation Co., LLC Date 6/22/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00750903-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By: G. N. Venture Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)
5. (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
Relief Valve 1CV8117	Crosby	N56903-00-0036	Not Recorded	1CV8117	Not Recorded	Replaced	Yes
Crosby Relief Valve (2" diameter inlet)	Crosby	N56903-00-0035	Not Applicable	Cat ID 27689-1 UTC 2639872	1999	Replacement	Yes

7. Description of Work: Existing relief valve was replaced to support IST surveillance testing. Existing valve was replaced with a tested spare relief valve.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Available psig Test Temp. Not Available °F
9. Remarks: VT-2 performed on 5/3/2006 during ascending Mode 3 walk down. \*There are no local or remote pressure or temperature indication instruments specific to this component. The system was verified to be in normal line up prior to performing VT-2. Applicable documentation for replacement relief valve (Form NV-1) was attached at the time of final review and is on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/22, 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 of Province of and employed by HSBC of CT have inspected the components described in this Owner's Report during the period 2/21/2005 to 6/22/2006, 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 IL1085  
 National Board, State, Province, and Endorsements

Date 6-22, 2006

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

1. Owner : Exelon Generation Co., LLC Date 7/17/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00912627-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By: Braidwood Station Mechanical Maintenance Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Chemical and Volume Control (CV) (Class 2 Portion of System)
5. (a) Applicable Construction Code: ASME Section III 1971 Edition, Summer 1972 Addenda, Code Case 1540-1  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
2" ITT Grinnell Diaphragm Valve Bonnet and Associated Bonnet Bolting	ITT Grinnell	Not Recorded	Not Applicable	1CV8399	Not Recorded	Replaced	Yes
2" ITT Grinnell Diaphragm Valve Bonnet and Associated Bonnet Bolting	ITT Grinnell (Per NPV-1 Studs by Victor Prod and Hex Nuts by V.R. Machine)	Valve Assembly Serial Number 74-1657-30-9	Not Applicable	Cat ID 38640-1 UTC 2739878	1976	Replacement	Yes

7. Description of Work: Replaced existing valve parts (with exception of valve body) with parts from spare valve assembly.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 19.6 psig Test Temp. 101 °F
9. Remarks: Section XI VT-2 at nominal system pressure and temperature was performed on 7/17/2006. Applicable Manufacturer's Data Reports (Form NPV-1) was attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 7/17, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/17/2006 to 7/17/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 7-17- 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348

Date 12/28/2005  
 Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00697822-01  
 Repair Organization P.O., Job No., etc

3. Work Performed By: Braidwood Station Mechanical Maintenance  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: None

4. Identification of System: Containment Spray (CS) (Class 2 System)

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Case  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
Valve 1CS002B body-to-bonnet bolting (bolting and hex nuts)	Not recorded	Not recorded	N/A	Valve 1CS002B	Not recorded	Replaced	No
7/8"-9 threaded rod	Nova Machine Products	Heat 226077 Lot 50015842 Trace K775	N/A	Cat ID 37096-1 UTC 2699054	2004	Replacement	No
7/8"-9 hex nuts	Nova Machine Products	Heat S69452 Lot 50055935 Trace 218A	N/A	Cat ID 37033-1 UTC 2724374	2005	Replacement	No

Description of Work: Body-to-bonnet gasket leak was corrected. Existing body-to-bonnet bolting was replaced with new rather than clean and reinstall existing material.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Required psig Test Temp. Not Required °F

9. Remarks: Section XI pressure testing not applicable to this activity. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 12/29, 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 of Province of IL and employed by H3BCT of CT have inspected the components described in this Owner's Report during the period 2-7-05 to 1-4-06 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 IL # 1085  
 National Board, State, Province, and Endorsements

Date 1-4- 2006

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

1. Owner : Exelon Generation Co., LLC  
Address: 300 Exelon Way, Kennett Square, PA 19348
2. Plant Name: Braidwood Station Unit 1  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
3. Work Performed By: G. N. Venture  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
4. Identification of System: Instrument Air (IA) (Class 2 Portion of System)
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1975 Addenda, No Code Case  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
(c) Section XI code Cases used: None

Date 5/25/2006  
Sheet 1 of 1

Work Order #00570459-01  
Repair Organization P.O., Job No., etc

Code Symbol Stamp: None  
Authorization No.: None  
Expiration Date: 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)
3" Diameter Instrument Air Line (SA-312 Type 304)	Unknown	Unknown	N/A	Line 11A50B-3"	Unknown	Repaired	No

7. Description of Work: Removed arc strike identified on existing piping by filing. Verified remaining pipe minimum wall with ultrasonic thickness and performed liquid penetrant examination of area. No further repairs to pipe were required.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Applicable psig Test Temp. Not Applicable °F

9. Remarks: Section XI pressure testing not required.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/25, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/10/2005 to 5/25/2006, 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 IL1085  
National Board, State, Province, and Endorsements

Date 5-25-, 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348

Date 7/5/2006  
 Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00898214-01  
 Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: None

4. Identification of System: Main Steam (MS) (Class 2 System)

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
6" Safety Relief Valve Main Disc	Dresser	Not Recorded	Not Applicable	Valve 1MS014D (Serial Number BR09637/ Cat ID 1388672)	Unknown	Replaced	Yes (Valve)
6" Safety Relief Valve Main Disc	Dresser	ADE86	Not Applicable	Cat ID 1387627-1 UTC 2713874	2001	Replacement	No

7. Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00411030. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE86) provided by Exelon. Valve was reinstalled back to same position.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 1089 psig Test Temp. 529 °F

9. Remarks: Section XI pressure testing was not required, but valve was examined by VT-2 on 5/3/2006. No leakage was observed during VT-2 examination. Applicable documentation for refurbished valve (NVR-1) and replacement disc (N-2 Certificate) were attached at the time of final review and is on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 7/5, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 3/24/2006 to 7/5/2006, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions IL1085  
 National Board, State, Province, and Endorsements

Date 7-5- 2006

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

1. Owner : Exelon Generation Co., LLC  
Address: 300 Exelon Way, Kennett Square, PA 19348

Date 5/18/2006  
Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00898299-01  
Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None  
Authorization No.: None  
Expiration Date: None

4. Identification of System: Main Steam (MS) (Class 2 System)

- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, No Addenda, No Code Cases  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
(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)
6" Safety Relief Valve Main Disc	Dresser	Not Recorded	Not Applicable	Valve 1MS014B (Serial Number BR09635/ Cat ID 1388672))	Unknown	Replaced	Yes (Valve)
6" Safety Relief Valve Main Disc	Dresser	ADE45	Not Applicable	Cat ID 1387627-1 UTC 2713871	2001	Replacement	No

7. Description of Work: Removed valve was sent to NWS Technologies for set point verification and refurbishment under PO #00411030. NWS Technologies replaced existing main disc of valve with disc (Serial Number ADE45) provided by Exelon. Valve was reinstalled back to same position.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 1089 psig Test Temp. 529 °F

9. Remarks: Section XI pressure testing was not required, but valve was examined by VT-2 on 5/3/2006. No leakage was observed during VT-2 examination. Applicable documentation for refurbished valve (NVR-1) and replacement disc (N-2 Certificate) were attached at the time of final review and is on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/18, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 3/24/2006 to 5/18/2006, 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 IL1085  
Inspector's Signature National Board, State, Province, and Endorsements

Date 5-18-, 2006



**As Required by the Provisions of the ASME Code Section XI**

1. Owner : Exelon Generation Co., LLC  
Address: 300 Exelon Way, Kennett Square, PA 19348  
Date 5/18/2006  
Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  
Work Order #00914208-01  
Repair Organization P.O., Job No., etc
3. Work Performed By G. N. Venture  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  
Code Symbol Stamp: None  
Authorization No.: None  
Expiration Date: None
4. Identification of System: Reactor Coolant (RC) (Class 1 System)
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases 1644 Rev. 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, and 1734  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
(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)
ITT Grinnell (Pacific Scientific) PSA-3 Mechanical Snubber	ITT Grinnell/Pacific Scientific	8666	Not Applicable	1RC02006S1	Not Recorded	Replaced	No
ITT Grinnell (Pacific Scientific) PSA-3 Mechanical Snubber	ITT Grinnell/Pacific Scientific	2504	Not Applicable	Cat ID 27863-1 UTC 2671490/RIN A91-02383/MRR 2265	Not Recorded	Replacement	No

7. Description of Work: Replaced one of two snubbers located on a trapeze support. Snubber failed functional testing (activation test). The cause of snubber failure appears to be due to dried grease. The piping associated with the failed snubber was evaluated under EC 360587 and found to be acceptable. The replacement snubber was functionally tested prior to installation. A sample expansion was performed, no additional failures were discovered under this sample expansion.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure Not Applicable psig Test Temp. Not Applicable °F
9. Remarks: VT-3 exam of snubber was performed after reinstallation. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/18, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/20/2006 to 5/18/2006, 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 IL1085  
National Board, State, Province, and Endorsements

Date 5-18, 2006

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

1. Owner : Exelon Generation Co., LLC Date 6/20/2006  
Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #98108541-01  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By G. N. Venture Code Symbol Stamp: None  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
Expiration Date: None
4. Identification of System: Reactor Coolant (RC) Class 1
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 (Snubber) and Summer 1976 (Component Support) Addenda with No Code Cases  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
(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)
Boeing Hydraulic Snubber and mounting bolting (hex nuts and hex head bolts) for 1B Steam Generator	Boeing (Snubber)	14	Not Applicable	1RC01BB-B	Not Recorded	Replaced	No
Boeing Hydraulic Snubber	Boeing/Refurbished by Grinnell Corporation	6	Not Applicable	Cat ID 42177-1 UTC 2062413	Not Recorded, Refurbished in 2000	Replacement	No
3 1/2" - 4 Heavy Hex Flat Nuts	Nova/Castle Metals	Heat Y7054-C8822 Lot 50065483 Trace Z227	Not Applicable	Cat ID 1410760-1 UTC 2737148	2006	Replacement	No
3 1/2" - 4 Hex Head Bolts	Nova/Castle Metals	Heat Y7054-C8822 Lot 50065202 Trace Z223	Not Applicable	Cat ID 1410759-1 UTC 2737147	2006	Replacement	No

7. Description of Work: Replaced existing snubber that had a hydraulic fluid leak past seal with a refurbished spare snubber assembly. Replacement snubber was functionally tested prior to installation. Existing component support bolting was replaced to
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure Not Applicable psig Test Temp. Not Applicable °F
9. Remarks: VT-3 exam of snubbers 1RC01BB-B and 1RC01BB-A (shares common fluid reservoir) was performed after reinstallation. Applicable Manufacturer's Data Reports were attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/20, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 3/13/2006 to 6/20/2006, 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 IL1085  
National Board, State, Province, and Endorsements

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

1. Owner : Exelon Generation Co., LLC Date 5/24/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00744327-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By G. N. Venture Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Reactor Coolant Pressurizer (RY) Class 1 portion of system
- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases: 1644 Revision 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, and 1734  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
PSA-1/2 Mechanical Snubber 1RY06091S	ITT Grinnell	S/N 8609	Not Applicable	1RY06091S	Not Recorded	Replaced	No
PSA-1/2 Mechanical Snubber	Grinnell Corporation	S/N 9857	Not Applicable	Cat ID 27530-1 UTC 2035363	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that passed functional test in A1R11 but appeared to be trending downward. Replacement snubber was functionally tested prior to installation.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Applicable psig Test Temp. Not Applicable °F
9. Remarks: VT-3 exam of snubber was performed after reinstallation. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/24, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/10/2005 to 5/24/2006, 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 IL1085  
 National Board, State, Province, and Endorsements

Date 5-24, 2006

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

- |   |   |
|---|---|
| 1. Owner : Exelon Generation Co., LLC<br>Address: 300 Exelon Way, Kennett Square, PA 19348  | Date 5/25/2006<br>Sheet 1 of 1  |
| 2. Plant Name: Braidwood Station Unit 1<br>Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  | Work Order #00773388-01<br>Repair Organization P.O., Job No., etc           |
| 3. Work Performed By: G. N. Venture<br>Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407  | Code Symbol Stamp: None<br>Authorization No.: None<br>Expiration Date: None |
| 4. Identification of System: Pressurizer (RY) (Class 1 System)  |   |
| 5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649<br>(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda<br>(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)
Existing 6" Relief Valve and Associated Inlet Flange Bolting	Crosby	N56964-00-0071	Not Applicable	1RY8010A	1977	Replaced	Yes
6" Refurbished Spare Relief Valve	Crosby	N56964-00-0109	Not Applicable	Cat ID 1400663-1 UTC 2720246	1977	Replacement	Yes
1 3/8" -8 Threaded Rod (Studs)	Nova Machine Products	Heat 144C Lot 50042888 Trace P813	Not Applicable	Cat ID 1401771-1 UTC 2716161	2005	Replacement	No

7. Description of Work: Replaced existing relief valve with a spare valve refurbished by NWS Technologies. Inlet flange bolting material was not replaced under this work order, but is documented on Form NIS-2 for information. Braidwood Station provided NWS Technologies with replacement inlet flange bolting to be installed as part of the valve refurbishment. Longer studs are required to accommodate "hydranuts". Outlet flange bolting is not classified as Safety Related/Section XI.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2239 psig Test Temp. 558 °F
9. Remarks: VT-2 examination was performed and accepted on 5/3/2006 (ascending Mode 3 walk down). Applicable documentation for replacement relief valve and associated bolting material are contained in the valve receipt inspection documentation.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/25, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/7/2005 to 5/25/2006, 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 IL1085  
National Board, State, Province, and Endorsements

Date 5/26, 2006

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

1. Owner : Exelon Generation Co., LLC  
 Address: 300 Exelon Way, Kennett Square, PA 19348

Date 5/25/2006  
 Sheet 1 of 1

2. Plant Name: Braidwood Station Unit 1  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Work Order #00793798-01  
 Repair Organization P.O., Job No., etc

3. Work Performed By: G. N. Venture  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407

Code Symbol Stamp: None  
 Authorization No.: None  
 Expiration Date: None

4. Identification of System: Pressurizer (RY) (Class 1 System)

- 5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
Existing 6" Relief Valve and Associated Inlet Flange Bolting	Crosby	N56964-00-0073	Not Applicable	1RY8010B	1977	Replaced	Yes
6" Refurbished Spare Relief Valve	Crosby	N56964-00-0054	Not Applicable	Cat ID 1400663-1 UTC 2720247	1977	Replacement	Yes
1 3/8" -8 Threaded Rod (Studs)	Nova Machine Products	Heat 144C Lot 50042888 Trace P813	Not Applicable	Cat ID 1401771-1 UTC 2716161	2005	Replacement	No

7. Description of Work: Replaced existing relief valve with a spare valve refurbished by NWS Technologies. Inlet flange bolting material was not replaced under this work order, but is documented on Form NIS-2 for information. Braidwood Station provided NWS Technologies with replacement inlet flange bolting to be installed as part of the valve refurbishment. Longer studs are required to accommodate "hydranuts". Outlet flange bolting is not classified as Safety Related/Section XI.

8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 2239 psig Test Temp. 558 °F

9. Remarks: VT-2 examination was performed and accepted on 5/3/2006 (ascending Mode 3 walk down). Applicable documentation for replacement relief valve and associated bolting material are contained in the valve receipt inspection documentation.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/25, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/7/2005 to 5/25/2006, and state that to the best of my knowledge and belief, the Owner has performed examinations and taken corrective measures described in this Owner's Report in accordance with the requirements of the ASME Code, Section XI.

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

Inspector's Signature

Commissions IL1085  
 National Board, State, Province, and Endorsements

Date 5/26, 2006

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

1. Owner : Exelon Generation Co., LLC Date 5/25/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00781899-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By: G. N. Venture Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Pressurizer (RY) (Class 1 System)
- 5 (a) Applicable Construction Code: ASME Section III 1971 Edition, Winter 1972 Addenda, Code Case 1649  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
Existing 6" Relief Valve and Associated Inlet Flange Bolting	Crosby	N56964-00-0072	Not Applicable	1RY8010C	1977	Replaced	Yes
6" Refurbished Spare Relief Valve	Crosby	N56964-00-0110	Not Applicable	Cat ID 1400663-1 UTC 2720248	1977	Replacement	Yes
1 3/8" -8 Threaded Rod (Studs)	Nova Machine Products	Heat 144C Lot 50042888 Trace P813	Not Applicable	Cat ID 1401771-1 UTC 2716161	2005	Replacement	No

7. Description of Work: Replaced existing relief valve with a spare valve refurbished by NWS Technologies. Inlet flange bolting material was not replaced under this work order, but is documented on Form NIS-2 for information. Braidwood Station provided NWS Technologies with replacement inlet flange bolting to be installed as part of the valve refurbishment. Longer studs are required to accommodate "hydranuts". Outlet flange bolting is not classified as Safety Related/Section XI.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure 2239 psig Test Temp. 558 °F
9. Remarks: VT-2 examination was performed and accepted on 5/3/2006 (ascending Mode 3 walk down). Applicable documentation for replacement relief valve and associated bolting material are contained in the valve receipt inspection documentation.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 5/25, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 6/7/2005 to 5/25/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 5-24, 2006

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

1. Owner : Exelon Generation Co., LLC Date 6/20/2006  
 Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00915045-01  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By G. N. Venture Code Symbol Stamp: None  
 Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
 Expiration Date: None
4. Identification of System: Reactor Coolant Pressurizer (RY) Class 1 portion of system
5. (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases: 1644 Revision 6, 1682, 1683, 1685, 1686, 1651, 1728, 1729, and 1734  
 (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
 (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)
PSA-1/2 Mechanical Snubber 1RY06057S	ITT Grinnell	S/N 329	Not Applicable	1RY06057S	Not Recorded	Replaced	No
PSA-1/2 Mechanical Snubber	Grinnell Corporation	S/N 13518	Not Applicable	Cat ID 27530-1 UTC 2035345	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that exhibited degraded performance during A1R12 functional test (reference Issue Report 482160). Replacement snubber was functionally tested prior to installation.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
 Other  Pressure Not Applicable psig Test Temp. Not Applicable °F
9. Remarks: VT-3 exam of snubber was performed after reinstallation. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 6/20, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 4/22/2006 to 6/20/2006, 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 IL1085  
 Inspector's Signature National Board, State, Province, and Endorsements

Date 7/05, 2006



**As Required by the Provisions of the ASME Code Section XI**

1. Owner : Exelon Generation Co., LLC  
Address: 300 Exelon Way, Kennett Square, PA 19348
2. Plant Name: Braidwood Station Unit 1  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
3. Work Performed By: G. N. Venture  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407
4. Identification of System: Safety Injection (SI) (Class 1 and 2 System)
5. (a) Applicable Construction Code (Valve/Piping): ASME Section III 1971 Edition, Winter 1972 Addenda, No Code Cases  
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda  
(c) Section XI code Cases used: N-416-3

Date 7/3/2006  
Sheet 1 of 1

Work Order #00808157-071  
Repair Organization P.O., Job No., etc

Code Symbol Stamp: None  
Authorization No.: None  
Expiration Date: 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 Body to Bonnet Seal Weld	*Flowserve	E-467P-1-7	Not Applicable	1SI8819B	1999	Replaced	Yes (Valve)
ER 316L Weld Rod (1/8" diameter)	Arcos Alloys	Lot DM8294	Not Applicable	Cat ID 8512-1 UTC 2706003	2004	Replacement	No
ER 316L Weld Rod (3/32" diameter)	Arcos Alloys	Lot CF8137	Not Applicable	Cat ID 8500-1 UTC 2702651	2004	Replacement	No

7. Description of Work: Reapplied check valve body-to-bonnet seal weld that was removed to gain access to valve internals to perform foreign material inspection of system. \*Valve was previously seal welded by G. N. Venture during A2R11 outage (October 2004) under WO 609950.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure 2239 psig Test Temp. 558 °F
9. Remarks: Valve is the boundary between Class 1 and Class 2. VT-2 examination performed under Test Block A01ZZ-000005-M04-01A during ascending Mode 3 walk down on 5/3/2006. Applicable material certifications were attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casey ISI Coordinator Date 7/3, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 10/10/2005 to 7/3/2006, 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 IL1085  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-5, 2004

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

1. Owner : Exelon Generation Co., LLC Date 7/12/2006  
Address: 300 Exelon Way, Kennett Square, PA 19348 Sheet 1 of 1
2. Plant Name: Braidwood Station Unit 1 Work Order #00898645-01  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Repair Organization P.O., Job No., etc
3. Work Performed By Braidwood Mechanical Maintenance Code Symbol Stamp: None  
Address: 35100 S. Rte. 53, Suite 84, Braceville, IL 60407 Authorization No.: None  
Expiration Date: None
4. Identification of System: Steam Generator Blowdown (SD) Class 2 system
- 5 (a) Applicable Construction Code: ASME Section III 1974 Edition, Summer 1974 Addenda, Code Cases: 1644 Revision 7, 1682, 1683, 1685, 1686, 1651, 1728, 1729, 1734, N-180 and N-108
- (b) Applicable Edition of Section XI Utilized for Repairs or Replacements: 1989 Edition with No Addenda
- (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)
PSA-1/4 Mechanical Snubber 1SD024073S	ITT Grinnell	S/N 7011	Not Applicable	1SD024073S	Not Recorded	Replaced	No
PSA-1/4 Mechanical Snubber	ITT Grinnell	S/N 21303	Not Applicable	Cat ID 27530-1 UTC 2035345	Not Recorded	Replacement	No

7. Description of Work: Replaced existing snubber that exhibited degraded performance during pre-outage functional test (reference Issue Report 462959). Replacement snubber was functionally tested prior to installation.
8. Tests Conducted: Hydrostatic  Pneumatic  Nominal Operating Pressure   
Other  Pressure Not Applicable psig Test Temp. Not Applicable °F
9. Remarks: VT-3 exam of snubber was performed after reinstallation. Applicable Manufacturer's Data Reports Attached at the time of final review and are maintained on file.

**CERTIFICATE OF COMPLIANCE**

We certify that the statements made in the report are correct and this replacement conforms to the rules of the ASME Code, Section XI. Type Code Symbol Stamp: Not Applicable Certificate of Authorization No.: Not Applicable

Signed Brendan J. Casuz ISI Coordinator Date 7/12, 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 of Province of and employed by HSBCT of CT have inspected the components described in this Owner's Report during the period 3/7/2006 to 7/12/2006, 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. Brennan Commissions IL1085  
Inspector's Signature National Board, State, Province, and Endorsements

Date 7-13, 2006