Bryce L. Shriver
Senior Vice President and
Chief Nuclear Officer

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JUL 18 2003

U.S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station OP1-17
Washington, DC 20555

SUSQUEHANNA STEAM ELECTRIC STATION
UNIT 2 ELEVENTH REFUELING AND INSPECTION OUTAGE
ISI SUMMARY REPORT
PLA-5649 **Docket No. 50-388**

Attached for your use is a copy of the Susquehanna Steam Electric Station Inservice Inspection Outage Summary Report for the Unit 2 Eleventh Refueling and Inspection Outage in accordance with ASME Code Section XI, IWA-6230. A copy of this report has also been sent to the Commonwealth of Pennsylvania.

If you have any questions, please contact Rocco R. Sgarro at (610) 774-7552.

Sincerely,

B. L. Shriver

Attachment

copy: NRC Region I
Mr. S. Hansell, NRC Sr. Resident Inspector
Mr. R. V. Guzman, NRC Project Manager
Mr. R. Janati, DEP/BRP

A047

SUSQUEHANNA STEAM ELECTRIC STATION

PPL SUSQUEHANNA, LLC

UNIT 2 ELEVENTH REFUELING AND INSPECTION OUTAGE

INSERVICE INSPECTION
OUTAGE SUMMARY REPORT

Prepared By: _____
ISI Engineer

Reviewed By: _____
ISI Engineer

Approved By: _____ 6/30/03
Supervisor-NDE-SSES

July, 2003

□

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APPENDICES

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FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECITONS
As required by the Provisions of the ASME Code Rules

1. Owner: PPL, Susquehanna, LLC
   769 Salem Blvd., PA 18603
2. Plant: SUSQUEHANNA STEAM ELECTRIC STATION, 769 Salem Blvd., Berwick, PA 18603
3. Plant Unit: TWO
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date: 2/12/85
6. National Board for Unit N/A
7. Components Inspected

Component or appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RHRSW	BECHTEL	2-16	N/A	N/A
FPC	BECHTEL	2-35	N/A	N/A
FEEDWATER	BECHTEL	2-45	N/A	N/A
RHR	BECHTEL	2-49	N/A	N/A
RCIC	BECHTEL	2-50	N/A	N/A
CORE SPRAY	BECHTEL	2-51	N/A	N/A
HPCI	BECHTEL	2-52	N/A	N/A
SBLC	BECHTEL	2-53	N/A	N/A
ESW	BECHTEL	2-54	N/A	N/A
CRD	BECHTEL	2-55	N/A	N/A
RWCU	BECHTEL	2-61	N/A	N/A
RPV	BECHTEL	B5024	B111231	3687
NUCLEAR BOILER	BECHTEL	2-62	N/A	N/A

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

Page 2 of 3

FORM NIS-1 OWNERS' DATA REPORT FOR INSERVICE INSPECITONS
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3. Plant Unit: TWO
4. Owner Certificate of Authorization (if required) N/A
5. Commercial Service Date: 2/12/85
6. National Board for Unit N/A
7. Components Inspected

Component or appurtenance	Manufacturer or Installer	Manufacturer or Installer Serial No.	State or Province No.	National Board No.
RR	BECHTEL	2-64	N/A	N/A
MAIN STEAM	BECHTEL	2-83	N/A	N/A
RHR HEAT EX.	MLW	10639-Q	469380	122
RHR HEAT EX.	MLW	10641-Q	469381	124

NOTE: Supplemental sheets in form of lists, sketches, or drawings may be used provided (1) size is 8 ½ in. x 11 in., (2) information in items 1 through 6 on this data report is included on each sheet, and (3) each sheet is numbered and the number of sheets is recorded at the top of this form.

This Form (E0029) may be obtained from the Order Dept., ASME, 345 E. 47th St. New York, N.Y. 10017

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FORM NIS-1 (BACK)

8. Examination Dates: 04/23/01 to 04/21/03
9. Inspection Interval from 6/1/94 to 6/1/04
10. Abstract of Examinations. Include a list of examinations and a statement concerning status of work required for current interval. SEE ATTACHED REPORT

11. Abstract of Conditions noted. SEE ATTACHED REPORT

12. Abstract of Corrective Measures Recommended and Taken SEE ATTACHED REPORT

We certify that the statements made in this report are correct and the examinations and corrective measures taken conform to the rules of the ASME Code Section XI.

Date July 2 2003 Signed PPL SUSQUEHANNA, LLC by _____
Owner General Manager

Certificate of Authorization No. (if applicable) N/A *Expiration Date* N/A

CERTIFICATE OF INSERVICE INSPECTION

*I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of Pennsylvania and employed by *_____ of _____ have inspection the components described in this Owners' Data Report during the period _____ to _____ and state that to the best of my knowledge and belief, the Owner has performed examination and taken corrective measures described in this Owners' Data Report in accordance with the requirements of 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 Owners' Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.

Date July 10, 2003

William R. Rogers III _____ *Commissions* NB 7980 A,N,I,B,NS / PA 2204
Inspector's Signature *National board, State, Province and No.*

*FACTORY MUTUAL INSURANCE CO.
1301 ATWOOD AVENUE
JOHNSTON, RHODE ISLAND 02919

A. INTRODUCTION

This report will document the Inservice Inspection (ISI), test, and repair/replacement activities associated with Susquehanna Steam Electric Station (SSES) Unit 2 for its eleventh fuel cycle. This timeline encompasses work performed from the time of breaker closure after the Unit 2 Tenth Refuel and Inspection Outage up to the time the breaker was closed following the Unit 2 Eleventh Refuel and Inspection Outage.

1. SSES Unit 2 began commercial operation on February 12th 1985. The unit was shut down for its eleventh refueling and inspection outage on March 8, 2003 at 0001 hours. The refueling outage was completed on April 21, 2003 at 0300 hours (breaker closure).

2. The applicable year and addenda of the ASME Boiler and Pressure Vessel Code, Division 1, Section XI for SSES Unit 2 is the 1989 Edition with 1990 Addenda Subsection IWF for component supports. In addition, portions of ASME Sections IWE and IWL 1992 Edition with 1992 Addenda are applicable for the Repair and Replacement activities associated with the Unit 2 Containment structure, and ASME Section XI, 1995 Edition with 1996 Addenda for PDI Appendix VIII Ultrasonic (UT) Inspections. PPL SUSQUEHANNA, LLC has selected the 10-year inspection interval as prescribed in IWA-2420, Plan B. The current dates for the Second Ten Year Interval are:

1st Period:	June 1, 1994 to June 1, 1997
2nd Period:	June 2, 1997 to January 1, 2001
3rd Period:	January 2, 2001 to June 1, 2004

3. This report is divided into the following sections:

   - Introduction
   - Piping and Components Examinations
   - Reactor Pressure Vessel Internal Examinations
   - Reactor Pressure Vessel External Examinations
   - System Pressure Tests
   - Mechanical Snubber Functional Tests
   - Mechanical Snubber Visual Examinations
   - Flow Accelerated Corrosion Examinations
   - ASME Repairs and Replacements
   - Containment Inspection

4. Each of these sections is handled as a separate entity within this report. All required information for each section is included in that section or in the noted appendices. Class 1, 2, and 3 components are included in this report. PPL SUSQUEHANNA, LLC has committed to the use of the Outage Summary Report to transmit the NIS-2 Forms for ASME Section III components and R-1, R-2 Forms for ASME Section I, IV or VIII components.

5. The Authorized Nuclear Inservice Inspectors for this Period were:

David L. Dalluary	Factory Mutual
David V. Luettgen	101 Lindenwood Drive, Suite 200
Delton E. Tillery	Malvern, PA 19355-1760
William R. Rogers, III	

B. PIPING AND COMPONENTS EXAMINATIONS

1. Abstract of Examinations

The piping and component examinations were conducted in accordance with Section IWB, IWC, IWD, and IWF 2000 of ASME Section XI and Code Cases N-460, N-509 and N-524, and the Inservice Inspection Manual

The NDE contractor for the Unit 2 – 11th RIO volumetric and surface examinations was General Electric Co. of Huntersville, North Carolina. The NDE contractor for the Unit 2 – 11th RIO Visual Examinations was CONAM, Inc. Two hundred ninety two (292) piping exams were completed during this pre-outage and outage time frame. A detailed listing of the examinations performed this outage and the results are contained in Appendix B.

2. Code Compliance Summary

Appendix A provides a list by Code Category and Item of all augmented and Section XI Class 1, 2, and 3 components. This Summary identifies Unit 2 – 11th RIO exam completion percentages in relation to the second interval program commitments.

Abstract of Conditions Noted and Corrective Action Taken

There were three (3) Condition Reports (CR's) generated against piping and components being inspected for ISI program credit. The reported nonconformances were corrected or evaluated as acceptable for continued service prior to returning the unit to service.

CR NUM	COMP ID	SYSTEM	COMMENT1	RESOLUTION
458581	GBB2032-H1	CS	LOOSE LOCK NUT	REWORK
460130	HRC2051-H24	ESW	PIPE CLAMP	REWORK
463076	DCA2112-H23	RHR	LOOSE LOCK NUT	REWORK

There was one (1) exam expansion. Indications on HRC2051-H24 expanded exam per Code requirements to two (2) adjacent supports (HRC2051-H25 and HRC2071-H3) and an additional support of the same type and function equal to the number of supports which were scheduled for the system this period (i.e., in this case, one (1) (HRC2051-H23)). No rejectable conditions were found on the expansion.

3. Incomplete Examinations

The following table lists components where physical access was limited.

COMP ID	CATEGORY	ITEM1	AUG	DESCRIPTION	SYSTEM	SUB SYS	PERCENT
DCA2091-FW-1	C-F-1	C5.11		P-V	CS	251A	50.0
DCA2091-FW-2	B-J	B9.11	AUG2	V-FH	CS	251A	50.0
DCA2092-FW-1	C-F-1	C5.11		P-V	CS	251B	50.0
DCA2092-FW-2	B-J	B9.11	AUG2	V-FH	CS	251B	50.0
DCA2072-FW-4	B-J	B9.11		V-E	CS	251B	50.0
DLA2031-FW-6	B-J	B9.11		P-V	FW	245F	87.0
DLA-2041-FW-1	B-J	B9.11		V-P	FW	245F	54.0
EBD2141-2A-A	NA	AUG1	AUG1	P-E	MS	283G	79.0
GBB2041-HW-2A	C-C	C3.20		P-LUG/H11	RHR	249A	93.68
GBB2041-HW-2B	C-C	C3.20		P-LUG/H11	RHR	249A	93.68
GBB2041-HW-2C	C-C	C3.20		P-LUG/H11	RHR	249A	93.68
GBB2041-HW-2D	C-C	C3.20		P-LUG/H11	RHR	249A	93.68
GBB2171-FW-14	C-F-1	C5.11		E-V	RHR	249A	50.0
GBB2072-HW-2A	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
GBB2072-HW-2B	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
GBB2072-HW-2C	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
GBB2072-HW-2D	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
GBB2072-HW-2E	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
GBB2072-HW-2F	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
GBB2072-HW-2G	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
GBB2072-HW-2H	C-C	C3.20		P-LUG/H27	RHR	249B	93.68
DCA2113-2-A	B-J	B9.11		P-FL	RHR	249H	50.0
DCA2113-FW-10	B-J	B9.11		V-P	RHR	249H	50.0
DCA2113-FW-12	B-J	B9.11		FL-E	RHR	249H	50.0
DCA2113-FW-9	B-J	B9.11		P-V	RHR	249H	50.0
VRRB313-2-B	B-J	B9.31	AUG2	WOL-P	RR	249C	24.8
VRRB313-FW-A-6	B-J	B9.11	AUG2	PU-P	RR	249C	50.0
VRRB313-FW-A-24	B-J	B9.11	AUG2	V-WOL	RR	249C	50.0
DBA2011-FW-23	B-J	B9.11	AUG1	E-V	RWCU	261A	91.0
DBC2011-FW-42	NA	AUG1	AUG1	E-FL	RWCU	261B	78.6

4. Applicable Code Cases

Five (5) ASME Code Cases were utilized for Piping Inspections during the Unit 2 – 11th RIO:
N-460-Alternative Examination Coverage for Class 1 and Class 2 Welds;
N-509-Alternative Rules for the Selection and Examination of Class 1,2, and 3 Integrally Welded Attachments
N-524-Alternative Examination Requirements for Longitudinal Welds in Class 1 and 2 Piping
N-335-1-Rules for Ultrasonic Examination of Similar and Dissimilar Metal Piping Welds
N-461-Alternative Rules for Piping Calibration Block Thickness

5. Successive Inspections

None in accordance with Section XI Paragraph IWB-2420(b), IWC-2420 and IWF-2420.

6. Special Examinations

The internals of all eight (8) Main Steam Isolation Valves were modified in the U2-11th RIO and pre-service inspection following machining was performed by ISI. The listed inspections represent the visual inspection of the valves/valve internals following machining.

COMPONENT ID	SYSTEM	CODE CAT	ITEM	EXAM SCHEDULE	DATE INSPECTED	OUTAGE	TECHNIQUE
HV2F022A	83	B-M-2	B12.50	0WD	3/26/03	U2-11TH	VT-3
HV2F022B	83	B-M-2	B12.50	0WD	3/27/03	U2-11TH	VT-3
HV2F022C	83	B-M-2	B12.50	0WD	3/27/03	U2-11TH	VT-3
HV2F022D	83	B-M-2	B12.50	0WD	3/27/03	U2-11TH	VT-3
HV2F028A	83	B-M-2	B12.50	0WD	3/16/03	U2-11TH	VT-3
HV2F028B	83	B-M-2	B12.50	0WD	3/18/03	U2-11TH	VT-3
HV2F028C	83	B-M-2	B12.50	0WD	3/16/03	U2-11TH	VT-3
HV2F028D	83	B-M-2	B12.50	0WD	3/17/03	U2-11TH	VT-3

Eight (8) small pipe welds were volumetrically examined to address vibration induced small pipe failures in the industry. There were no indications requiring rework.

COMP ID	DESCRIPTION	SYSTEM	ACT EXAM	RESULTS1
SPDCA2101-FW-15	P-E	RR	VOL	NRI
SPDCA2101-FW-16	E-P	RR	VOL	NRI
SPDCA2102-FW-17	P-E	RR	VOL	NRI
SPDCA2102-FW-3	E-P	RR	VOL	NRI
SPDCB2062-FW-4	P-RED	RR	VOL	NRI
SPDCB2062-FW-25	UNION-P	RR	VOL	NRI
SPDBD2222-FW-1	UNION-P	RR	VOL	NRI
SPDBD2222-FW-2	P-RED	RR	VOL	NRI

One (1) large pipe Recirc system hanger (RWS200-HA7) was re-inspected in the U2-11th RIO as a result of having been re-worked in the U2-10th RIO. This hanger had been inspected in the U2-10th RIO to address operational vibration concerns and also to address vibration induced small pipe failures in the industry. No indications were found.

C. REACTOR PRESSURE VESSEL INTERNAL EXAMINATIONS

1. Abstract of Examinations

General Electric (GE) personnel performed the RPV Internal Examinations. GE completed videotape records as part of the visual examinations. There were no RPV Internal Ultrasonic Volumetric Examinations this outage. Four hundred seventy-nine (479) components were examined during the Unit 2 – 11th RIO.

CATEGORY DESCRIPTION

AUG3	Augmented inspections of feedwater nozzles and spargers per NUREG-0619
AUG5	Non-Code volumetric inspections of jet pump hold down beams
AUG6	Non-Code visual inspections of RPV internals (including steam dryer)
AUG7	Non-Code volumetric inspections (excluding jet pump hold down beams)
AUG9	BWR Vessel and Internals Project (BWRVIP) In-Vessel Inspection
B-N-1	Reactor Vessel Interior (Code Inspection)
B-N-2	Integrally welded core support structures and interior attachments to the reactor vessel (Code Inspection)

Appendix B provides a detailed listing of the components examined under the above examination categories.

2. Code Compliance Summary

Appendix A provides a breakdown by Code Category and Item for RPV Internal Examinations. This summary includes the total number of selected components for the first, second and third period in relation to the Second Inspection Interval.

3. Abstract of Conditions Noted and Corrective Actions Taken

There were ten (10) Condition Reports (CR's) generated against Invessel ISI Components. The CR's were corrected or evaluated as acceptable for continued service prior to returning the unit to service.

CR #	COMPONENT	CONDITION	DISPOSITION
460952	Fuel Support Casting	White Coating on Surface	Use As Is
463503	Various	FME/Debris	Removed FME/Debris
464877	Jet Pump 5,7,13,15,16,17,19,20	Broken Tack Welds	Use As Is
461306	Jet Pump 4 Wedge	Extensive/Damage/Wear	Replaced Wedge
459189	Steam Dryer Weld VS-F-1	Cracked	Use As Is
459239	Dry Tube 16-21	Missing Plunger	Replace
459285	Dry Tube 24-29	Indication	Replace
459695	Dryer Lugs A,C, and D Location	Cracked Tack Welds	Use As Is
459501	Dryer Support Ring Horizontal and Vertical Surfaces	Previous Indications; Tracking Document	Use As Is
459695	Dryer Lug B	Previous Indication, Tracking Document	Use As Is
465095	Jet Pump 3, 10 and 13 Set Screw	Gap $\geq$ 0.005	Install Spring Wedge in 3, UAI for 10 and 13

4. Limited Examinations

Not Applicable.

5. Applicable Code Cases

There were no code cases used during the report period.

6. Successive Inspections

There were no Code related successive inspections performed during the Unit 2 – 11th RIO.

7. Special Examinations

None.

D. REACTOR PRESSURE VESSEL EXTERNAL EXAMINATIONS

1. Abstract of Examinations

The RPV External Examinations were conducted in accordance with Section IWB-2500-1 of the ASME Section XI and PPL SUSQUEHANNA, LLC, Document ISI-T-206.0/208.0/220.0. A total of two hundred and three (203) examinations were performed during the U2-11th Refuel and Inspection Outage. The NDE Contractor utilized was General Electric, Huntersville, NC. The results of these examinations are detailed in Appendix B under the applicable Code Categories and Augmented.

2. Code Compliance Summary

Section XI, Augmented Class 1 RPV components are included in a breakdown by Code Category and Item Number in Appendix A. This summary calculates completion percentages for the First, Second and Third Periods in relation to the Second Inspection Interval.

3. Abstract of Conditions Noted and Corrective Action Taken

No Condition Reports were written against RPV Nozzle or Vessel Inspections.

4. Incomplete Examinations

As the result of very high radiation conditions, Nozzle N8B Nozzle to Shell Course (B3.90), Nozzle N8B Nozzle Inner Radius (B3.100) and Nozzles N8A and N8B Nozzle-to-Safe End Welds were not examined during the Unit 2-11th RIO. Regulatory Relief will be pursued.

5. Applicable Code Cases

N-552, Alternative Methods – Qualification for nozzle inside radius section from the outside surface.

6. Successive Inspections

There were no successive inspections per IWB 2420 performed during the Unit 2 - 11th RIO.

7 Special Examinations

None.

E. SYSTEM PRESSURE TESTS

1. Abstract of Tests Conducted

SYSTEM PRESSURE TESTS

TEST BOUNDARY	CLASS	CODE CATEGORY	TEST PROCEDURE
CLASS 1 Boundary (Ref SubSect E.5)	1	B-P	SE-200-002
PERIODIC INSERVICE & FUNCTIONAL LEAK TEST			
FEEDWATER	2	C-H	SE-245-301
RHR	2	C-H	SE-249-301
RCIC	2	C-H	SE-250-301
CORE SPRAY	2	C-H	SE-251-301
HPCI	2	C-H	SE-252-301
SBLC	2	C-H	SE-253-301
CRD	2	C-H	SE-255-301
MAIN STEAM	2	C-H	SE-283-311
RHRSW	3	D-B	SE-216-301
ESW	3	D-A	SE-254-301

2. Code Compliance Summary

The above tests fulfill the periodic system pressure test requirements.

3. Abstract of Conditions Noted and Corrective Action Taken

No through wall leakage on the Pressure Retaining Boundary of the system was identified. Minor mechanical leaks in packing, seals, etc. were found during the inspections. These leaks were documented and corrected by PPL SUSQUEHANNA, LLC Maintenance personnel.

4. Incomplete Examinations

There were no incomplete examinations.

5. Applicable Code Cases & Relief Requests

Code Case N-416-1 was used, with specific NRC approval and conditions, for pressure testing of welded repairs. Use of this Code Case is addressed by Relief Request RRPT-1.

Code Case N-498-1 was used, with specific NRC approval for Susquehanna, to satisfy the Interval System Hydrostatic Test requirements. Use of this Code Case is addressed by Relief Request RRPT-5.

Per Relief Request RRPT-2, for leakage observed at control rod drive flange-to-housing bolted connections, the bolting was examined in place under tension. All accessible surfaces of the bolting were VT-3 visually examined for corrosion and evaluated in accordance with IWA-3100. Relief Request RRPT-2 has been approved for use at Susquehanna.

Per Relief Request RRPT-6, for leakage observed at any bolted connections not individually specified by other Relief Requests, one of the bolts in the connection shall be removed, VT-3 visually examined, and evaluated in accordance with IWA-3100. The bolt selected shall be the one closest to the source of the leakage. Relief Request RRPT-6 has been approved for use at Susquehanna.

Per Relief Request RRPT-7, for leakage observed at incore instrument flange-to-housing bolted connections, the source of the leakage shall be evaluated by the Owner to determine the susceptability of the bolting to corrosion and potential failure. If the evaluation, based upon at least the seven prescribed variables, indicates a need for further evaluation or if no evaluation is performed, then a bolt in the leakage path will be removed. The removed bolt will be VT-3 visually examined for corrosion and evaluated in accordance with IWB-3140. Relief Request RRPT-7 has been approved for use at Susquehanna.

Per Relief Request RRPT-8, for leakage observed at a reactor recirculation pump case-to-cover bolted connection, the source of the leakage shall be evaluated to determine the susceptability of the bolting to corrosion and potential failure. If the evaluation, based upon at least the seven prescribed variables, indicates a need for further evaluation, then all of the studs will be volumetrically examined and evaluated in accordance with IWB-3515. Relief Request RRPT-8 has been approved for use at Susquehanna.

6. Successive Inspections

There were no successive inspections performed during the Unit 2 – 11th RIO.

7. Special Examinations

None.

F. MECHANICAL SNUBBER FUNCTIONAL TESTS

1. Abstract of Examinations

A total of one hundred and twenty-eight (128) plant installed and thirty-seven (37) spare mechanical snubbers were functionally tested. All snubbers were manufactured by Pacific Scientific. The testing contractor utilized was Wyle Labs. The snubbers were selected and tested in accordance with Susquehanna Steam Electric Station Technical Requirements Manual 3.7.8, Snubbers. PPL previously submitted relief request RR-3 requesting specific relief from the requirements of IWF-5000 in ASME Section XI. This relief request is contained in document ISI-T-106.0/206.0, Inservice Inspection Program Plan Second Ten Year Inspection Interval.

2. Code Compliance Summary

Per relief request RR-3, the functional testing of snubbers occurred on a 10% bases in accordance with the Technical Requirements Manual (TRM) 3.7.8, Snubbers. The requirements of this TRM were satisfied.

3. Abstract of Conditions Noted and Corrective Actions Taken

a. Unit 2 Technical Requirements Manual 'Table 3.7.8-3 Functional Testing resulted in the following snubbers being tested:

Amount of TRM Initial Sample:

Size PSA 1/4	Amount in Initial Sample	1
Size PSA 1/2	Amount in Initial Sample	1
Size PSA 1	Amount in Initial Sample	4
Size PSA 3	Amount in Initial Sample	4
Size PSA 10	Amount in Initial Sample	6
Size PSA 35	Amount in Initial Sample	18
Size PSA 100	Amount in Initial Sample	2
Size PSA .05	Amount in Initial Sample	0
Size PSA .12	Amount in Initial Sample	1
TOTAL		37

Non Technical Requirements Snubbers:

Size PSA 1	Amount in Initial Sample	1
Size PSA 3	Amount in Initial Sample	2
Size PSA 10	Amount in Initial Sample	2
Size PSA 35	Amount in Initial Sample	3
Size PSA 100	Amount in Initial Sample	1
TOTAL	Amount in Initial Sample	9

TOTAL **46 Snubbers**

b. Snubber Functional Testing Plan for 2003

UNIT 2				
	INITIAL SAMPLE			
SIZE	SAFETY	NON-SAFETY	PREVIOUS FAILURES	OTHER REQUIRED
PSA-1/4	1	0	0	1
PSA-1/2	1	0	0	0
PSA-1	4	1	3	3
PSA-3	3	2	2	0
PSA-3L	1	0	0	0
PSA-10	6	2	0	2
PSA-35	18	3	0	11
PSA-100	2	1	1	6
COMP STRUTS	1	0	0	0
TOTAL	**37**	**9**	**6**	**23**

Grand Total **Initial Sample Snubber** **75**

c. Expansion of TRM Sample Testing Only occurred on a 5% basis

SIZE	POPULATION	INITIAL SAMPLE	FAILURE	FIRST EXP	FAILURE	SECOND EXP	FAILURE	THIRD EXP	FAILURE	FOURTH EXP	FAILURE
PSA-1/4	7	1	0	0	0	0	0	0	0	0	0
PSA-1/2	9	1	0	0	0	0	0	0	0	0	0
PSA-1	35	4	1	2	1	2	0	0	0	0	0
PSA-3	32	4	1	2	1	2	0	0	0	0	0
PSA-10	51	6	1	3	1	3	1	3	1	3	0
PSA-35	179	18	1	9	1	9	1	9	0	0	0
PSA-100	17	2	0	0	0	0	0	0	0	0	0
STRUT	9	1	0	0	0	0	0	0	0	0	0
TOTAL		**37**	**4**	**16**	**4**	**16**	**2**	**12**	**1**	**3**	**0**

d. Snubber Functional Testing Summary

	SCHEDULED TESTS						
SIZE	TRM INITIAL SAMPLE	NON TRM (I.S.)	PREVIOUS FAILURES	REQUIRED	SUBTOTAL	ADDED TESTED	TOTAL
PSA-1/4	1	0	0	1	2	0	2
PSA-1/2	1	0	0	0	1	3	4
PSA-1	4	1	3	3	11	5	16
PSA-3	4	2	2	0	8	5	13
PSA-10	6	2	0	2	10	13	23
PSA-35	18	3	0	11	32	27	59
PSA-100	2	1	1	6	10	0	10
PSB-.05	0	0	0	0	0	0	0
PSB-.12	1	0	0	0	1	0	1
TOTAL	**37**	**9**	**6**	**23**	**(75)**	**53**	**128**

e. Modification Package 352976 removed 1 size PSA-1/4, 3 size PSA-½ and 1 size PSA-1 snubbers bringing the total of removed Unit 2 snubbers to 429.

f. Eleven (11) snubbers that failed testing were replaced with acceptable functionally tested snubbers. One (1) snubber was cleaned, greased, retested and reinstalled.

g. Total of thirteen (13) Condition Reports were initiated for the functional failures and replacements (see attached list).

h. The Functional Daily Test Tracking Report lists snubbers that were tested, replaced or repaired (See Appendix C).

i. The NIS-2 Forms for replacements are listed in Appendix D.

j. Two snubbers (2) were replaced due to degradeable test results.

k. One (1) snubber was replaced due to snubber end cap and telescoping cylinder not able to be torqued.

4. Incomplete Examinations

No incomplete examinations.

5. Applicable Code Cases

No Code Cases were used.

6. Successive Inspections

None.

7. Special Examinations

Eleven (11) Main Steam MSL snubber locations were visually examined for verification of the inside diameter of the load stud holes at rear bracket and pipe clamp. Reference PLI-92233.

Functional Failure Condition Report Log

CR#	SYS#	COMPONENT	CONDITION	DISPOSITION
458496	252E	DBB220-H8	FAILED ACCELERATION FUNCTIONAL TESTING	REINSTALLED
459810	293	MSL200-H11B	FAILED RUNNING DRAG FUNCTIONAL TESTING	REPLACED
460390	283G	SPDBB208-H17	FAILED RUNNING DRAG FUNCTIONAL TESTING	REDUCTION
461683	249G	DCA208-H7	FAILED ACCELERATION/RUNNING DRAG	REPLACED
461722	264B	DCA202-H3	FAILED ACCELERATION AND LOCKED UP	REPLACED
461854	283D	GBC201-H338	FAILED ACCELERATION FUNCTIONAL TESTING	REPLACED
462114	249C	RWS200-H40	FAILED RUNNING DRAG FUNCTIONAL TESTING	REPLACED
462199	264A	SPDCA202-H2602	FAILED ACCELERATION/RUNNING DRAG AND BREAK AWAY FORCE/LOCKED UP	REPLACED
462381	250A	DBA205-H11	FAILED ACCELERATION	REPLACED
462229	264B	DCA202-H4B	FAILED ACCELERATION/ RUNNING DRAG	REPLACED
462558	283D	GBC201-H336	FAILED ACCELERATION	REPLACED
462947	249C	RWS200-H30	FAILED ACCELERATION AND LOCKED UP	REPLACED
463057	264B	SPDCA202-H23	FAILED ACCELERATION	REPLACED

G. MECHANICAL SNUBBER VISUAL INSPECTIONS

There were no visual inspections required by the Technical Requirement Manual TRS 3.7.8.1 for Unit 2-11th RIO. The next scheduled Visual Inspection Surveillance is for the Unit 2 – 12th RIO in 2005.

H. FLOW ACCELERATED CORROSION EXAMINATIONS (FAC)

1. Abstract of Examinations

CONAM, Inc. performed non-code flow accelerated corrosion (FAC) wall thickness' examinations during the Unit 2- 11th RIO. The scope of work was provided by PPL Specification M-1414 Rev.9. A total of one hundred three (103) components were examined (see Appendix E of this report).

2. Code Compliance Summary

Not applicable since FAC exams are not part of Section XI. However, a list of inspected components and their respective erosion rates is attached as Appendix E of this report.

3. Abstract of Conditions Noted and Corrective Actions Taken

Evaluation of data is categorized with the distribution of results as follows:

GROUP	DESCRIPTION (% EROSION)	COMPONENTS
1	0% TO 20% Erosion	16
2	21% to 30% Erosion	13
3	31% to 50% Erosion	39
4	51% to 99% Erosion	17
5	>100% Erosion	18
	TOTAL	**103**

Percent Erosion is Determined as follows:

$$\%\ \text{EROSION} = \frac{(\text{NOMINAL THICKNESS}) - (\text{MEASURED THICKNESS})}{(\text{NOMINAL THICKNESS}) - (\text{MINIMUM THICKNESS})} \times 100$$

The following pipe repair/replacements were performed during U2-11th RIO:

CONDITION REPORT #	COMPONENT #	E/C	DISPOSITION	PCWO #
458668	SPGBD2384-E3	106.45%	Repair	408912
459019	SPGBD2022-E1	113.04%	Repair	459882
463511	HBD2202-E3	305.17%	Repair	463948
463812	HBD2202-E4	253.17%	Repair	463948
464199	HBD2202-E10	188.61%	Repair	463948
464199	HBD2202-E11	156.62%	Repair	463948
464199	HBD2202-E9	245,57%	Repair	463948
464199	HBD2202-E6	145.57%	Repair	463948
464199	HBD2202-E5	243.04%	Repair	463948
464199	HBD2202-E7	216.46%	Repair	463948
464199	HBD2202-E8	232.91%	Repair	463948

4. Incomplete Exams

None.

UNIT 2 – 11TH RIO FAC EXAMS RESULTING IN A CONDITION REPORT

CR #	COMPONENT #	ISI NUMBER	E/C	ENGINEERING DISPOSITION
458667	X2107	SPGFD2021-E2	0%	Acceptable for continued service
458972	X2370	2SCLV-E15	79.10%	Acceptable for continued service
459027	X2192	GBD2021-E1	43.04%	Acceptable for continued service
459184	X2155	GBD2021-E2	46.84%	Acceptable for continued service
459789	X2816	HBD2682-E1	66.25%	Acceptable for continued service
460670	X2248	GAD2012-E1	54.12%	Acceptable for continued service
460672	X2249	GAD2011-E1	52.94%	Acceptable for continued service
460681	X2458	GAD2013-E3	75.88%	Acceptable for continued service
460688	X2012	GAD2013-E1	69.41%	Acceptable for continued service
460882	X2898	2E104B-E1	164.50%	Acceptable for continued service
460886	X2901	2E105B-E1	100%	Acceptable for continued service
461946	X2061	DBD2012-E3	52.54%	Acceptable for continued service
461949	X2183	SPEBD2111-E1	80.67%	Acceptable for continued service
462412	X2590	SPGBD2025-E1	53.91%	Acceptable for continued service
462937	X2176	DLA2021-E2	41.49%	Acceptable for continued service
462940	X2175	DLA2021-E3	53.28%	Acceptable for continued service
462942	X2696	DBA2012-E1	53.47%	Acceptable for continued service
463265	X2500	DBB2222-E1	80.82%	Acceptable for continued service
463272	X2695	DBC2011-E1	66.67%	Acceptable for continued service
463516	X2302	HBD2202-E2	118.97%	Acceptable for continued service
463814	X2300	HBD2201-E2	56.96%	Acceptable for continued service
465877	NO X #	HBD2201-E3	110.12%	Acceptable for continued service
461222	X2457	GAD2012-E3	86.47%	Acceptable for continued service. Reinspect Unit 2-13th
460879	X2895	2E103B-E1	120.32%	Acceptable for continued service, Replace during Unit 2-13th
460951	X2896	2E103C-E1	124.06%	Acceptable for continued service, Replace during Unit 2-13th
460959	X2303	HBD2202-E1	83.33%	Reinspect or Replace Unit 2-12 RIO
461552	X2694	EBD2025-E1	88.42%	Reinspect or Replace Unit 2-12 RIO
464205	NO X #	HBD2203-E3	146.84%	Reinspect or Replace Unit 2-12 RIO
458668	X2179	SPGBD2384-E3	106.45%	Repair
459019	X2127	SPGBD2022-E1	113.04%	Repair
463511	NO X #	HBD2202-E3	305.17%	Repair
463812	NO X #	HBD2202-E4	253.17%	Repair
464199	NO X #	HBD2202-E10	188.61%	Repair
464199	NO X #	HBD2202-E11	156.62%	Repair
464199	NO X #	HBD2202-E9	245.57%	Repair
464199	NO X #	HBD2202-E6	145.57%	Repair
464199	NO X #	HBD2202-E5	243.04%	Repair
464199	NO X #	HBD2202-E7	216.46%	Repair
464199	NO X #	HBD2202-E8	232.91%	Repair
460869	X2894	2E103A-E1	136.90%	Shell Repair Unit 2-12th, Heater replacement Unit 2-13th

Applicable Code Cases

Not applicable since FAC Exams are not part of Section XI.

Successive Inspections

Scheduling of successive inspections will be evaluated by Nuclear Design Engineering in accordance with erosion rates identified in Specification M-1414. These exams are tentatively scheduled to be examined during the Unit 2-12th RIO.

Summary

Appendix E provides a detailed description, location, and erosion rate of all components examined during Unit 2-11th RIO.

I. ASME REPAIRS AND REPLACEMENTS

1. Introduction

This section of the Summary Report contains work performed on ASME Section I, III, IV, VIII or XI items identified by Design Change Packages (DCP's) and Work Orders (WO's). The scope of work addressed encompasses the period from the end of the Unit 2 – 10th RIO (breaker close) to the end of the Unit 2 - 11th RIO (breaker close).

2. Code Compliance Summary

All work on ASME Section XI items meet the requirements of IWA-4000 (Repairs) and IWA-7000 (Replacements). All work on ASME Section I, IV and VIII vessels meet the requirements of the National Board Inspection Code.

3. Mechanical Maintenance is responsible for conducting repairs and replacements under the WO process and documenting the work on NIS-2 Forms. The detailed listing of work performed is summarized in Appendix D.1 along with the NIS-2 Forms and R_1 and R_2 Forms.

4. Station Engineering is responsible for performing Design Changes in accordance with ASME XI under Work Orders (WO's). The detailed listing of work performed is summarized in Appendix D.2 along with the NIS-2 Forms.

5. The ISI Group generates NIS-2 Forms to document the replacement snubbers as a result of functional test failures and "Q" parts replaced on ASME Section III Class 1, 2 and 3 Systems. The detailed listing of the affected snubbers is in Appendix C. Appendix D.3 contains the NIS-2 Forms.

J. CONTAINMENT INSPECTION

1. Abstract of Examination

Containment metal and concrete examinations were conducted in accordance with Sub-Sections IWE and IWL of ASME Section XI, 1992 Edition with 1992 Addenda.

The reports for the U2-11th RIO are numbered 9911001 thru 9911029.

2. Code Compliance Summary

A listing of the examinations carried out on the Unit 2 Containment may be found in Appendix F.

The following percentages of code required examinations were performed:

CODE CATEGORY	EXAM TYPE	EXAMINATIONS SCHEDULED	EXAMINATIONS PERFORMED	PERCENTAGE PERFORMED
E-A	GV	407	407	100%[1]
E-G	VT-1	8	8	100%
L-A	VT-3C	28	28	100%[1]
E-D	VT-3	1	1	100%

[1]Examinations were conducted of 100% of the locations specified in the program. Inaccessible portions of these specified locations, such as the interior of electrical penetrations, areas/penetrations accessible only by erecting scaffolding, and portions of the containment liner plate covered by concrete were not examined. The applicable reports detail the extent of the examination performed. Per the guidance given in various responses to the public comments to SECY 96-080, the program will be revised to include a description of these inaccessible areas.

3. Abstract of Conditions Noted and Corrective Actions Taken

There are no condition reports generated against the containment structure inspection program.

4. Incomplete Examinations

None.

5. Applicable Code Cases

There were no Code Cases used during the report period.

Three PPL Relief Requests, all approved by the NRC, are applicable to the inspections performed during the report period. RR14 deals with the need to perform a VT-3 examination of all gasketing and seals on airlocks, hatches and other devices once per interval. In accordance with the relief granted, these examinations were performed under our Appendix J Program. RR15 deals with re-examination of repaired areas. RR16 deals with the need to torque bolted connections that have not been disassembled and reassembled during the inspection period to ensure leak integrity. In accordance with the relief granted, this integrity was ensured by inspections performed under our Appendix J Program.

6. Successive Inspections

There were no code related successive inspections performed per Subsections IWE or IWL during the report period.

7. Special Examinations

A remote inspection technique employing the use of binoculars was qualified during the Unit 2 - 11th RIO. The remote inspections were performed on Examination Category E-A, L-A components.

APPENDIX A
CODE
COMPLIANCE
SUMMARY

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION STATUS REPORT

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category B-A Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-A	B1.11	10	6	N/A	6	N/A	N/A	0	N/A	0	60.00%	100.00%	100.00%	100.00%
B-A	B1.12	13	13	N/A	7	N/A	N/A	0	N/A	6	100.00%	53.85%	53.85%	100.00%
B-A	B1.21	4	4	N/A	1	N/A	N/A	2	N/A	1	100.00%	25.00%	75.00%	100.00%
B-A	B1.22	14	14	N/A	1	N/A	N/A	10	N/A	3	100.00%	7.14%	78.57%	100.00%
	Totals:	41	37	N/A	15	N/A	N/A	12	N/A	10	90.24%	40.54%	72.97%	100.00%

1. (B1.11) In accordance with Relief Request RR-22, RPV circumferential welds are permanently deferred.

Category B-A NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-A	B1.30	6	6	1	2	2	1	2	2	2	100.00%	33.33%	66.67%	100.00%
B-A	B1.40	3	3	1	1	1	1	1	1	1	100.00%	33.33%	66.67%	100.00%
	Totals:	9	9	2	3	3	2	3	3	3	100.00%	33.33%	66.67%	100.00%

Category B-D Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-D	B3.90	30	30	N/A	15	N/A	N/A	2	N/A	12	100.00%	50.00%	56.67%	96.67% *
B-D	B3.100	30	30	N/A	15	N/A	N/A	2	N/A	12	100.00%	50.00%	56.67%	96.67% *
	Totals:	60	60	N/A	30	N/A	N/A	4	N/A	24	100.00%	50.00%	56.67%	96.67%

* Nozzle N8B Nozzle to Shell Course (B3.90) and N8B Nozzle Inner Radius (B3.100) were not examined during the Unit 2 11th Refuel Outage due to very high radiation conditions – relief to be pursued

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION
STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category B-E Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-E	B4.11	3	1	N/A	0	N/A	N/A	0	N/A	1	33.33%	0.00%	0.00%	100.00%
B-E	B4.12	185	46	N/A	0	N/A	N/A	0	N/A	46	24.86%	0.00%	0.00%	100.00%
B-E	B4.13	61	20	N/A	0	N/A	N/A	0	N/A	20	32.79%	0.00%	0.00%	100.00%
	Totals:	249	67	N/A	0	N/A	N/A	0	N/A	67	26.91%	0.00%	0.00%	100.00%

1. (B4.11, B4.12, & B4.13) Per Category B-E, 25% of the nozzle welds shall be examined within the interval. Susquehanna SES inspects 100% of the nozzle welds in conjunction with the Category B-P pressure tests.

Category B-F NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-F	B5.10	17	17	3	5	5	4	7	6	3	100.00%	29.41%	70.59%	88.24% *
B-F	B5.130	1	1	0	0	1	1	0	1	1	100.00%	0.00%	0.00%	100.00%
B-F	B5.140	6	6	1	0	2	3	0	4	6	100.00%	0.00%	0.00%	100.00%
	Totals:	24	24	4	5	8	7	7	11	10	100.00%	20.83%	50.00%	91.67%

*Nozzles N8A and N8B Nozzle-to-Safe End welds were not examined during the Unit 2 11th Refuel Outage due to very high radiation conditions – relief to be pursued

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category B-G-1 Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-G-1	B6.10	76	76	N/A	26	N/A	N/A	25	N/A	25	100.00%	34.21%	67.11%	100.00%
B-G-1	B6.20	76	76	N/A	30	N/A	N/A	25	N/A	21	100.00%	39.47%	72.37%	100.00%
B-G-1	B6.40	76	4	N/A	0	N/A	N/A	4	N/A	0	5.26%	0.00%	100.00%	100.00%
B-G-1	B6.50	76	76	N/A	26	N/A	N/A	25	N/A	25	100.00%	34.21%	67.11%	100.00%
B-G-1	B6.180	32	16	N/A	0	N/A	N/A	0	N/A	16	50.00%	0.00%	0.00%	100.00%
B-G-1	B6.190	32	16	N/A	16	N/A	N/A	0	N/A	0	50.00%	100.00%	100.00%	100.00%
B-G-1	B6.200	32	16	N/A	0	N/A	N/A	0	N/A	16	50.00%	0.00%	0.00%	100.00%
B-G-1	B6.210	7	7	N/A	0	N/A	N/A	0	N/A	7	100.00%	0.00%	0.00%	100.00%
B-G-1	B6.220	7	7	N/A	0	N/A	N/A	0	N/A	7	100.00%	0.00%	0.00%	100.00%
	Totals:	414	294	N/A	98	N/A	N/A	79	N/A	117	71.01%	33.33%	60.20%	100.00%

1. (B6.180 & B6.200) The examination of these components is limited to only one of the pumps per Category B-G-1, Note 3 and Category B-L-2, Note 1. Also, per Category B-G-1, Note 3 and Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination. Examination is required only once per inspection interval.
2. (B6.190) The examination of the Recirc Pump Flange Surfaces is limited to only one of the pumps per Category B-G-1, Note 3 and Category B-L-2, Note 1. Also, per this item number examination is required only when a pump is disassembled. Examination is required only once per inspection interval.

Category B-G-2 Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-G-2	B7.70	36	7	N/A	2	N/A	N/A	1	N/A	4	19.44%	28.57%	42.86%	100.00%
B-G-2	B7.80	185	132	N/A	61	N/A	N/A	23	N/A	48	71.35%	46.21%	63.64%	100.00%
	Totals:	221	139	N/A	63	N/A	N/A	24	N/A	52	62.90%	45.32%	62.59%	100.00%

1. (B7.70) Per Category B-G-2, Note 2 and Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination. Also, per Category B-G-2, Note 2 and Category B-M-2, Note 3, examinations are limited to at least one valve within each group of valves that are of the same size, design, manufacturing method, and function (see B-G-2 Valve Bolting Grouping Report). Examination is required only once per inspection interval within each valve group.

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION
STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category B-G-2 NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-G-2	B7.10	3	3	1	0	1	2	0	2	3	100.00%	0.00%	0.00%	100.00%
B-G-2	B7.50	22	22	4	10	7	1	5	4	7	100.00%	45.45%	68.18%	100.00%
	Totals:	25	25	4	10	8	3	5	6	10	100.00%	40.00%	60.00%	100.00%

Category B-J NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-J	B9.11	576	150	24	45	51	30	35	55	70	26.04%	30.00%	53.33%	100.00%
B-J	B9.21	14	2	0	0	1	1	0	1	2	14.29%	0.00%	0.00%	100.00%
B-J	B9.31	32	30	5	4	10	11	12	16	14	93.75%	13.33%	53.33%	100.00%
B-J	B9.32	4	3	1	0	1	2	0	2	3	75.00%	0.00%	0.00%	100.00%
B-J	B9.40	64	11	2	4	3	2	0	3	7	17.19%	36.36%	36.36%	100.00%
	Totals:	690	196	32	53	66	45	47	78	96	28.41%	27.04%	51.02%	100.00%

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category B-K NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-K	B10.10	9	1	0	1	1	1	1	1	1	11.11%	100.00%	200.00%	300.00%
B-K	B10.20	68	8	2	0	2	4	0	5	8	11.76%	0.00%	0.00%	100.00%
B-K	B10.30	8	1	0	0	1	1	1	1	0	12.50%	0.00%	100.00%	100.00%
	Totals:	85	10	2	1	3	4	2	5	9	11.76%	10.00%	30.00%	120.00%

1. (B10.10) Per Code Case N-509, Category B-K, Note 4, in the case of multiple vessels of similar design, function and service, only one integrally welded attachment of only one of the multiple vessels shall be selected for examination. Conservatively, an integral attachment of each type of welded attachment of one of multiple vessels will be examined.
2. (B10.20) Components are classified and scheduled in accordance with Code Case N-509.

Category B-L-2 Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-L-2	B12.20	2	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%
	Totals:	2	0	N/A	0	N/A	N/A	0	N/A	0	0.00%	0.00%	0.00%	0.00%

1. (B12.20) The examination of pump casings is limited to only one of the pumps performing similar functions in the system per Category B-L-2, Note 1. Also, per Category B-L-2, Note 2, examination is required only when a pump is disassembled for maintenance, repair, or volumetric examination. Examination is required only once per inspection interval.

Category B-M-2 Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-M-2	B12.50	57	14	N/A	5	N/A	N/A	5	N/A	8	24.56%	35.71%	71.43%	128.57%
	Totals:	57	14	N/A	5	N/A	N/A	5	N/A	8	24.56%	35.71%	71.43%	128.57%

1. (B12.50) Per Category B-M-2, Note 2, examination is required only when a valve is disassembled for maintenance, repair, or volumetric examination. Also, per Category B-M-2, Note 3, examinations are limited to at least one valve within each group of valves that are of the same size, design, manufacturing method, and function (see B-M-2 Valve Grouping Report). Examination is required only once per inspection interval within each valve group.

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION
STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category B-N-1 NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-N-1	B13.10	11	11	2	10	3	-4	10	-3	11	100.00%	90.91%	181.82%	281.82%
	Totals:	11	11	2	10	3	-4	10	-3	11	100.00%	90.91%	181.82%	281.82%

1. (B13.10) "% Selected" exceeds 100% since the vessel interior is selected more than once during the second interval.

Category B-N-2 Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-N-2	B13.20	23	23	N/A	7	N/A	N/A	1	N/A	15	100.00%	30.43%	34.78%	100.00%
B-N-2	B13.30	48	48	N/A	15	N/A	N/A	10	N/A	26	100.00%	31.25%	52.08%	106.25%
B-N-2	B13.40	640	164	N/A	24	N/A	N/A	10	N/A	132	25.62%	14.63%	20.73%	101.22%
	Totals:	711	235	N/A	46	N/A	N/A	21	N/A	173	33.05%	19.57%	28.51%	102.13%

1. (B13.20, B13.30 & B13.40) "% Selected" may exceed 100% since the single component is utilized to document examinations performed during each inspection period.

Category B-O Deferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
B-O	B14.10	80	4	N/A	0	N/A	N/A	0	N/A	4	5.00%	0.00%	0.00%	100.00%
	Totals:	80	4	N/A	0	N/A	N/A	0	N/A	4	5.00%	0.00%	0.00%	100.00%

1. (B14.10) These 80 components represent the two welds (lower and upper housing welds) on each of the 40 peripheral CRD housings to be examined during the interval (10% of 80). Per Relief Request RR-08, the number of components required to be examined is four (10% of 40) each inspection interval.

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(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category C-A NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
C-A	C1.10	2	1	0	0	1	1	1	1	0	50.00%	0.00%	100.00%	100.00%
C-A	C1.20	2	1	0	1	1	1	0	1	0	50.00%	100.00%	100.00%	100.00%
	Totals:	4	2	0	1	1	1	1	1	0	50.00%	50.00%	100.00%	100.00%

1. (C1.10 & C1.20) Per Category C-A, Note 3, in the case of multiple vessels of similar design, size, and service, the required examinations may be limited to one vessel or distributed among the vessels.

Category C-B NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
C-B	C2.21	4	2	0	1	1	1	1	1	0	50.00%	50.00%	100.00%	100.00%
C-B	C2.22	4	2	0	1	1	1	1	1	0	50.00%	50.00%	100.00%	100.00%
	Totals:	8	4	1	2	1	0	2	0	0	50.00%	50.00%	100.00%	100.00%

1. Related Items are grouped as follows: Items C2.21 and C2.22 are related to Nozzles Without Reinforcing Plates and are tracked under Item C2.21.
2. (C2.21 & C2.22) Per Category C-B, Note 4, in the case of multiple vessels of similar design, size, and service, the required examinations may be limited to one vessel or distributed among the vessels.

Category C-C NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
C-C	C3.10	15	4	1	0	1	2	4	2	0	26.67%	0.00%	100.00%	100.00%
C-C	C3.20	660	20	4	8	6	2	0	5	12	3.03%	40.00%	40.00%	100.00%
C-C	C3.30	4	1	0	0	1	1	0	1	1	25.00%	0.00%	0.00%	100.00%
	Totals:	679	25	4	8	8	5	4	8	13	3.68%	32.00%	48.00%	100.00%

1. (C3.10) Per Code Case N-509, Category C-C, Note 4, in the case of multiple vessels of similar design, function and service, only one integrally welded attachment of only one of the multiple vessels shall be selected for examination. Conservatively, an integral attachment of each type of welded attachment of one of multiple vessels will be examined.
2. (C3.20) Components are classified and scheduled in accordance with Code Case N-509.

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category C-F-1 NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
C-F-1	C5.11	12	12	2	1	4	5	5	7	6	100.00%	8.33%	50.00%	100.00%
	Totals:	12	12	2	1	4	5	5	7	6	100.00%	8.33%	50.00%	100.00%

Category C-F-2 NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
C-F-2	C5.51	1037	90	15	26	30	19	24	34	40	8.68%	28.89%	55.56%	100.00%
C-F-2	C5.81	15	3	1	0	1	2	2	2	1	20.00%	0.00%	66.67%	100.00%
	Totals:	1052	93	15	26	31	21	26	36	41	8.84%	27.96%	55.91%	100.00%

Category C-G NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
C-G	C6.10	136	16	3	4	5	4	6	6	6	11.76%	25.00%	62.50%	100.00%
	Totals:	136	16	3	4	5	4	6	6	6	11.76%	25.00%	62.50%	100.00%

Category D-A NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed min	Per 1	max	min	Per 2	max	Per 3	% Exams Completed % Selected	Period 1	Period 2	Period 3
D-A	D1.20	458	32	6	13	10	3	6	8	13	6.99%	40.63%	59.38%	100.00%
	Totals:	458	32	6	13	10	3	6	8	13	6.99%	40.63%	59.38%	100.00%

1. (D1.20) Components are classified and scheduled in accordance with Code Case N-509.

(This report is used to verify that the periodic requirements of Tables IWx-2412-1 will be met by the interval schedule.)

SUSQUEHANNA SES UNIT 2
ASME SECTION XI EXAMINATION
STATUS REPORT

(The percentage requirements of Tables IWx-2412-1 apply to the Category and were applied to each Item only when practical.)

Category F-A NonDeferred Exams

Cat'y	Item No.	# of Comp	Total Selected	# Exams Completed							% Exams Completed			
				min	Per 1	max	min	Per 2	max	Per 3	% Selected	Period 1	Period 2	Period 3
F-A	F1.10	157	41	7	12	13	9	16	15	13	26.11%	29.27%	68.29%	100.00%
F-A	F1.20	465	71	12	27	24	9	23	20	21	15.27%	38.03%	70.42%	100.00%
F-A	F1.30	330	37	6	11	12	8	12	13	15	11.21%	29.73%	62.16%	102.70%
F-A	F1.40	36	22	4	6	7	5	10	8	6	61.11%	27.27%	72.73%	100.00%
	Totals:	988	171	28	56	58	30	61	58	55	17.31%	32.75%	68.42%	100.58%

1. (F1.40) Per Code Case N-491 Category F-A, Note 3, for multiple components other than piping within a system of similar design, function, and service, the supports of only one of the multiple components are required to be examined.

APPENDIX B

ASME SECTION XI AND AUGMENTED EXAMINATION DETAILED LISTING

Susquehanna SES ISI Weld \ Component Inspection Listing
Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
2P202D-361-4-6 E-FL		C-G	C6.10	XI	SUR	100	SUR	NRI	493001	3/12/2003	
2P202D-361-5-8 PLT-SH		C-G	C6.10	XI	SUR	100	SUR	NRI	493002	3/11/2003	
2P203-FW-1 RCIC Pump Discharge Nozzle Weld		C-G	C6.10	XI	SUR VOL	100 98	SUR UT	NRI NRI	503039 503051	3/19/2003 3/21/2003	ISI Report No. ISI-03-316 replaced Report No. 503039. Baseline exams (volumetric for Section III)
2P206D-361-1-5 SH-FL		C-G	C6.10	XI	SUR	100	MT	NRI	513001	3/10/2003	
2P206D-361-5-8 PLT-SH		C-G	C6.10	XI	SUR	100	MT	NRI	513002	3/10/2003	
2P206D-361-5-L LS(ADJ 361-5-8)		C-G	C6.10	XI	SUR	100	MT	NRI	513003	3/10/2003	
AF (240-360) Flange SC5-VFLG(240-360)		B-A	B1.30	XI	VOL	100	UT	NRI	623001	3/10/2003	
AG (240-360) TPHEAD-FLG(240-360)		B-A	B1.40	XI	VOL SUR	100 100	VOL SUR	4RI NRI	623003 623002	3/21/2003 3/20/2003	
AH (240-360) TPHEAD CIRC(240-360)		B-A	B1.21	XI	VOL	100	VOL	NRI	623004	3/21/2003	
CG RPV-SUP SKIRT		B-K	B10.1 0	XI	SUR	100	SUR	NRI	623005	3/27/2003	240 - 360 degrees (U211RIO)
CRD-02-19 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623150	4/15/2003	
CRD-02-23 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623151	4/15/2003	
CRD-02-27 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623152	4/15/2003	
CRD-02-27-B-A TUBE B-TUBE A		B-O	B14.1 0	XI	SUR	100	SUR	NRI	623006	3/26/2003	
CRD-02-31 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623153	4/15/2003	

Susquehanna SES ISI Weld \ Component Inspection Listing
Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD-02-35 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623154	4/15/2003	
CRD-02-39 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623155	4/15/2003	
CRD-02-43 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623156	4/15/2003	
CRD-06-15 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623157	4/15/2003	
CRD-06-47 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623158	4/15/2003	
CRD-10-11 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623159	4/15/2003	
CRD-10-31 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623160	4/15/2003	
CRD-10-51 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623161	4/15/2003	
CRD-14-07 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623162	4/15/2003	
CRD-14-55 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623163	4/15/2003	
CRD-18-03 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623164	4/15/2003	
CRD-18-19 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623165	4/15/2003	
CRD-18-47 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623166	4/15/2003	
CRD-18-59 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623167	4/15/2003	
CRD-18-59-B-A TUBE B-TUBE A		B-O	B14.10	XI	SUR	100	SUR	NRI	623007	3/26/2003	

Susquehanna SES ISI Weld \ Component Inspection Listing
Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD-22-03 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623168	4/15/2003	
CRD-22-59 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623169	4/15/2003	
CRD-26-03 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623170	4/15/2003	
CRD-26-03-B-A TUBE B-TUBE A		B-O	B14.10	XI	SUR	100	SUR	NRI	623008	3/26/2003	
CRD-26-59 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623171	4/15/2003	
CRD-30-03 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623172	4/15/2003	
CRD-30-11 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623173	4/15/2003	
CRD-30-59 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623174	4/15/2003	
CRD-34-03 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623175	4/15/2003	
CRD-34-59 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623176	4/15/2003	
CRD-38-03 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623177	4/15/2003	
CRD-38-59 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623178	4/15/2003	
CRD-42-03 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623179	4/15/2003	
CRD-42-47 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623180	4/15/2003	
CRD-42-59 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623181	4/15/2003	

Susquehanna SES ISI Weld \ Component Inspection Listing
Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
CRD-46-07 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623182	4/15/2003	
CRD-46-55 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623183	4/15/2003	
CRD-50-11 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623184	4/15/2003	
CRD-50-31 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623185	4/15/2003	
CRD-50-51 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623186	4/15/2003	
CRD-50-51-B-A TUBE B-TUBE A		B-O	B14.10	XI	SUR	100	SUR	NRI	623009	3/26/2003	
CRD-54-15 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623187	4/15/2003	
CRD-54-47 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623188	4/15/2003	
CRD-58-19 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623189	4/15/2003	
CRD-58-23 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623190	4/15/2003	
CRD-58-27 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623191	4/15/2003	
CRD-58-31 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623192	4/15/2003	
CRD-58-35 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623193	4/15/2003	
CRD-58-39 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623194	4/15/2003	
CRD-58-43 CRD PEN		B-E	B4.12	XI	VT-2		VT-2	NRI	623216	4/15/2003	

Susquehanna SES ISI Weld \ Component Inspection Listing

Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DBA2011-FW-23 E-V		B-J	B9.11	XI	SUR	91.0	SUR	NRI	613027	3/28/2003	Note: Volumetric exam performed in U210RIO Permanent pipe support
DBA2011-FW-28 E-E		B-J	B9.11	XI	SUR	100	SUR	NRI	613001	3/28/2003	Note: Volumetric was completed in U210RIO
DBA2022-2-A E-P		B-J	B9.11	XI	SUR	100	SUR	NRI	523001	3/30/2003	Note: Volumetric was completed in U27RIO
DBA2022-FW-1 E-P		B-J	B9.11	XI	SUR	100	SUR	NRI	523002	3/30/2003	Note: Volumetric was completed in U27RIO
DBA2022-FW-3 V-E		B-J	B9.11	XI	SUR	100	SUR	NRI	523003	3/30/2003	Note: Volumetric was completed in U27RIO
DBA2022-FW-7 V-P		C-F-2	C5.51	XI	SUR	100	SUR	NRI	523004	3/14/2003	Note: Volumetric was completed in U28RIO
DBA2051-4-A P-E		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	503002 503001	3/25/2003 3/25/2003	
DBA2051-4-B E-P		B-J	B9.11	XI AG	VOL SUR	100 100	VOL SUR	NRI NRI	503004 503003	3/25/2003 3/25/2003	
DBA2051-FW-11 E-P		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	503008 503007	3/25/2003 3/25/2003	
DBA2051-FW-15 P-FH		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	503010 503009	4/1/2003 4/1/2003	
DBA2051-FW-17 P-P		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	503012 503011	3/25/2003 3/25/2003	
DBA2051-FW-4 P-V		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	503014 503013	3/25/2003 3/25/2003	
DBA2051-FW-5 V-P		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	503016 503015	3/25/2003 3/25/2003	
DBA2051-FW-8 FH-V		B-J	B9.11	XI AG	VOL SUR	100 100	VOL SUR	NRI NRI	503018 503017	3/15/2003 3/14/2003	ID Root Geometry
DBA2051-FW-9 V-P		NA	AUG1	AG	VOL	100	VOL	NRI	503019	3/15/2003	

Susquehanna SES ISI Weld \ Component Inspection Listing

Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	 	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
DBA2121-FW-4 T-T		B-J	B9.11	XI		SUR VOL	100 100	SUR VOL	NRI NRI	833055 833056	3/20/2003 3/20/2003	Baseline exam
DBB2021-1-A RED-P		C-F-2	C5.51	XI		SUR	100	SUR	NRI	833001	3/28/2003	Note: Volumetric was completed in U210RIO
DBB2091-4-A E-P		NA	AUG1	AG		VOL	100	VOL	RI	503020	3/14/2003	Baseline Exam; Counterbore
DBB2091-4-B P-E		NA	AUG1	AG		VOL	100	VOL	NRI	503021	3/16/2003	Baseline exam
DBB2091-4-C E-P		NA	AUG1	AG		VOL	100	VOL	NRI	503022	3/16/2003	Baseline exam
DBB2091-FW-10 P-P		NA	AUG1	AG		VOL	100	VOL	NRI	503023	3/19/2003	Baseline exam
DBB2091-FW-11 P-P		NA	AUG1	AG		VOL	100	VOL	NRI	503024	3/19/2003	
DBB2091-FW-7 P-P		NA	AUG1	AG		VOL	100	VOL	NRI	503025	3/14/2003	
DBB2091-FW-8 P-P		NA	AUG1	AG		VOL	100	VOL	NRI	503026	3/14/2003	
DBB2091-FW-9 P-E		NA	AUG1	AG		VOL	100	VOL	2 RI	503027	3/14/2003	Baseline Exam; ID-Geometry-Root
DBB2141-1-A E-P		C-F-2	C5.51	XI		SUR	100	PT	NRI	523005	3/14/2003	Note: Volumetric was completed in U210RIO
DBB2181-1-A WOL-P		NA	AUG1	AG		SUR	100	SUR	NRI	453001	3/31/2003	Surface exam required per Note 3 of Table 3.0-3 of ISI-T-120.0/220.0
DBB2181-1-B SWOL-P		C-F-2	C5.81	AG	XI	SUR	100	SUR	NRI	453002	3/31/2003	Surface exam required per Note 3 of Table 3.0-3 of ISI-T-120.0/220.0
DBB2181-FW-2 V-P		C-F-2	C5.51	XI		SUR	100	SUR	NRI	453003	3/31/2003	Note: Volumetric completed in U27RIO
DBB2191-1-A P-T		C-F-2	C5.51	AG	XI	VOL SUR	100 100	VOL SUR	NRI NRI	453005 453004	3/28/2003 3/28/2003	

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DBB2191-1-B		C-F-2	C5.51	AG	XI	VOL	100	VOL	RI	453007	3/31/2003	Indication determined to be acceptable by PPL Lvl III
T-P						SUR	100	SUR	RI	453006	3/28/2003	
DBB2191-1-E		NA	AUG1	AG		SUR	100	SUR	NRI	453008	3/28/2003	
WOL-P												
DBB2191-1-F		C-F-2	C5.51	AG	XI	VOL	100	VOL	NRI	453010	3/28/2003	
P-P						SUR	100	SUR	NRI	453009	3/28/2003	
DBB2191-FW-2		C-F-2	C5.51	AG	XI	VOL	100	VOL	NRI	453012	3/31/2003	
V-P						SUR	100	SUR	NRI	453011	3/31/2003	
DBB2191-FW-3		NA	AUG1	AG		SUR	100	SUR	NRI	453013	3/28/2003	
P-WOL												
DBB2191-FW-5		C-F-2	C5.51	AG	XI	VOL	100	VOL	NRI	453015	3/28/2003	
P-V						SUR	100	SUR	NRI	453014	3/28/2003	
DBB2212-6-B		C-F-2	C5.51	XI		VOL	100	VOL	NRI	503029	3/14/2003	
P-E						SUR	100	SUR	NRI	503028	3/13/2003	
DBB2212-FW-14		C-F-2	C5.51	XI		VOL	100	VOL	NRI	503031	3/16/2003	
E-P						SUR	100	SUR	NRI	503030	3/16/2003	
DBB2212-FW-4		C-F-2	C5.51	XI		VOL	100	VOL	NRI	503033	3/14/2003	
P-E						SUR	100	SUR	NRI	503032	3/13/2003	
DBB2212-FW-5		C-F-2	C5.51	XI		VOL	100	VOL	NRI	503035	3/14/2003	
P-E						SUR	100	SUR	NRI	503034	3/13/2003	
DBB2213-2-A		C-F-2	C5.51	XI		SUR	100	SUR	NRI	503036	3/28/2003	Note: Volumetric was completed in U27RIO
P-E												
DBB2213-2-B		C-F-2	C5.51	XI		SUR	100	SUR	NRI	503037	3/28/2003	Note: Volumetric was completed in U27RIO
E-P												
DBB2213-FW-3		C-F-2	C5.51	XI		SUR	100	SUR	NRI	503038	3/28/2003	Note: Volumetric was completed in U27RIO
V-P												
DBB2221-FW-12	3-DBB-222-1	NA	AUG1	AG		VOL	100	VOL	NRI	613002	4/1/2003	
V-P												
DBB2221-FW-13	3-DBB-222-1	NA	AUG1	AG		VOL	100	VOL	NRI	613003	3/26/2003	
V-P												

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DBB2221-FW-14 P-V		NA	AUG1	AG	VOL	100	VOL	NRI	613004	4/1/2003	
DBB2221-FW-15 P-V		NA	AUG1	AG	VOL	100	VOL	NRI	613005	3/26/2003	
DBB2221-FW-28 V-P		NA	AUG1	AG	VOL	100	VOL	NRI	613006	3/26/2003	
DBB2221-FW-29 P-E		NA	AUG1	AG	VOL	100	VOL	NRI	613007	3/26/2003	
DBB2221-FW-33 P-E		NA	AUG1	AG	VOL	100	VOL	NRI	613008	4/1/2003	
DBB2221-FW-34 V-P		NA	AUG1	AG	VOL	100	VOL	NRI	613009	4/3/2003	
DBB2221-FW-35 E-P		NA	AUG1	AG	VOL	100	VOL	NRI	613010	4/1/2003	
DBB2221-FW-36 E-P		NA	AUG1	AG	VOL	100	VOL	NRI	613011	3/26/2003	
DBB2221-FW-37 P-P		NA	AUG1	AG	VOL	100	VOL	NRI	613012	4/1/2003	
DBB2221-FW-38 P-P		NA	AUG1	AG	VOL	100	VOL	NRI	613013	3/26/2003	
DBC2011-FW-36 P-E		NA	AUG1	AG	VOL	100	RT	NRI	613014	3/27/2003	RT baseline exam
DBC2011-FW-38 T-P		NA	AUG1	AG	VOL	100	RT	NRI	613015	3/27/2003	RT baseline exam
DBC2011-FW-39 E-T		NA	AUG1	AG	VOL	100	RT	NRI	613016	3/27/2003	RT baseline exam
DBC2011-FW-40 P-E		NA	AUG1	AG	VOL	100	RT	NRI	613017	3/27/2003	RT baseline exam
DBC2011-FW-41 T-E		NA	AUG1	AG	VOL	100	RT	NRI	613018	3/29/2003	RT baseline exam

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DBC2011-FW-42 E-FL		NA	AUG1	AG	VOL	78.6	RT	NRI	613019	3/29/2003	RT baseline exam. Limited exam due to residual water on ID of pipe @ 8 1/2" to 13"
DBC2011-FW-49 V-P		NA	AUG1	AG	VOL	100	RT	NRI	613020	3/29/2003	RT baseline exam
DCA2022-FW-7 P-V		B-J	B9.11	XI	SUR VOL	100 100	SUR VOL	NRI NRI	613025 613026	3/30/2003 3/30/2003	
DCA2031-FW-21 P-HC		B-J	B9.32	XI	SUR	100	SUR	NRI	613021	3/28/2003	Baseline exam
DCA2031-FW-22 P-HC		B-J	B9.32	XI	SUR	100	SUR	NRI	613022	3/28/2003	Baseline exam
DCA2031-FW-33 HC-TW		B-J	B9.40	XI	SUR	100	SUR	NRI	613023	3/28/2003	Baseline exam
DCA2031-FW-34 HC-TW		B-J	B9.40	XI	SUR	100	SUR	NRI	613024	3/28/2003	Baseline exam
DCA2072-FW-10 RED-SE EXT		B-J	B9.11	XI	VOL SUR	100 100	VOL SUR	NRI NRI	513007 513006	3/27/2003 3/27/2003	
DCA2072-FW-11 P-RED		B-J	B9.11	XI	VOL SUR	100 100	VOL SUR	NRI NRI	513009 513008	3/27/2003 3/27/2003	
DCA2072-FW-4 V-E		B-J	B9.11	XI	VOL SUR	50.0 100	VOL SUR	NRI NRI	513013 513012	3/27/2003 3/27/2003	One-sided stainless UT exam
DCA2081-4-A P-E		B-J	B9.11	XI AG	VOL SUR	100 100	VOL SUR	NRI NRI	493004 493003	3/26/2003 3/26/2003	Per INF 02-036, this weld was substituted for weld DCA2081-FW-2 for the U211RIO.
DCA2081-FW-8 P-FH		B-J	B9.11	XI AG	VOL SUR	100 100	VOL SUR	NRI NRI	493006 493005	3/26/2003 3/26/2003	This weld was a substitution weld per INF 95-075
DCA2091-FW-1 P-V		C-F-1	C5.11	XI	VOL SUR	50.0 100	VOL SUR	NRI NRI	513015 513014	3/12/2003 3/12/2003	One-sided stainless UT
DCA2091-FW-2 V-FH		B-J	B9.11	XI AG	VOL SUR	50.0 100	VOL SUR	NRI NRI	513017 513016	3/12/2003 3/12/2003	One-sided stainless UT
DCA2092-FW-1 P-V		C-F-1	C5.11	XI	VOL SUR	50.0 100	VOL SUR	NRI NRI	513019 513018	3/12/2003 3/12/2003	One-sided stainless UT

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DCA2092-FW-2 V-FH		B-J	B9.11	XI	AG	VOL SUR	50.0 100	VOL SUR	NRI NRI	513021 513020	3/12/2003 3/12/2003	One-sided stainless UT
DCA2092-FW-4 FH-P		B-J	B9.11	XI	AG	VOL SUR	100 100	VOL SUR	NRI NRI	513023 513022	3/30/2003 3/30/2003	
DCA2101-2-A E-PB		B-J	B9.11	XI		SUR	100	SUR	NRI	493007	3/30/2003	Note: Volumetric was completed in U210RIO This weld was a substitution weld per INF 95-075
DCA2101-FW-6 PB-PB		B-J	B9.11	XI		SUR	100	SUR	NRI	493008	3/30/2003	Note: Volumetric was completed in U210RIO This weld was a substitution weld per INF 95-075
DCA2113-2-A P-FL		B-J	B9.11	XI		VOL SUR	50.0 100	VOL PT	NRI NRI	493010 493009	3/11/2003 3/9/2003	
DCA2113-FW-10 V-P		B-J	B9.11	XI		VOL SUR	50.0 100	VOL SUR	NRI NRI	493013 493012	3/20/2003 3/20/2003	Baseline exam - One-sided stainless UT
DCA2113-FW-12 FL-E		B-J	B9.11	XI		VOL SUR	50.0 100	VOL SUR	NRI NRI	493015 493014	3/21/2003 3/21/2003	Baseline exam - One-sided stainless UT
DCA2113-FW-5 E-FL		B-F	B5.13 0	XI		VOL SUR	100 100	RT SUR	NRI NRI	493017 493016	3/25/2003 3/21/2003	
DCA2113-FW-9 P-V		B-J	B9.11	XI		VOL SUR	50.0 100	VOL SUR	RI NRI	493019 493018	3/20/2003 3/20/2003	Baseline exam - One-sided stainless UT ID-Geometry-Root
DLA2021-FW-12 P-TW		B-J	B9.32	EX		SUR	100	SUR	NRI	453018	3/30/2003	
DLA2021-FW-13 E-P		B-J	B9.11	XI		VOL SUR	100 100	VOL SUR	NRI NRI	453020 453019	3/30/2003 3/30/2003	
DLA2031-FW-6 P-V		B-J	B9.11	XI		VOL SUR	87.0 100	VOL SUR	NRI NRI	453022 453021	3/31/2003 3/31/2003	Per INF 01-042, rescheduled these exams for U211RIO CNF 03-013 - welded whip restraint limitation
DLA2041-FW-1 V-P		B-J	B9.11	XI		SUR VOL	54.0 54	SUR VOL	RI NRI	453016 453017	3/31/2003 3/31/2003	03-012 - limitation due to hanger obstruction
DLA2041-FW-10 P-TW		B-J	B9.32	XI		SUR	100	SUR	NRI	453023	3/31/2003	

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DM TPHEAD MERID		B-A	B1.22	XI	VOL	100	VOL	NRI	623010	3/24/2003	
DN TPHEAD MERID		B-A	B1.22	XI	VOL	100	VOL	NRI	623011	3/23/2003	
DR TPHEAD MERID		B-A	B1.22	XI	VOL	100	VOL	NRI	623012	3/23/2003	
EBD2141-2A-A P-E		NA	AUG1	AG BL	VOL SUR	79.0 67	VOL PT	NRI NRI	833002 ISI-03-380	3/24/2003 3/24/2003	Permanent welded hanger obstruction ISI-03-380 - performed baseline PSI PT (Note: top third of weld was not inspected or prepared due to obstruction)
EBD2141-2A-B E-P		NA	AUG1	AG BL	VOL SUR	100 100	VOL PT	NRI NRI	833003 ISI-03-381	3/24/2003 3/24/2003	ISI-03-381 - performed baseline PSI PT
EBD2141-FW-8 V-P		NA	AUG1	AG BL	VOL SUR	100 100	VOL PT	NRI NRI	833004 ISI-03-379	3/24/2003 3/24/2003	ISI-03-379 - performed baseline PSI PT
GBB2041-HW-2A P-LUG/H11		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493021	3/13/2003	
GBB2041-HW-2B P-LUG/H11		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493021	3/13/2003	
GBB2041-HW-2C P-LUG/H11		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493021	3/13/2003	
GBB2041-HW-2D P-LUG/H11		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493021	3/13/2003	
GBB2072-HW-2A P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003	
GBB2072-HW-2B P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/28/2003	
GBB2072-HW-2C P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003	
GBB2072-HW-2D P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003	

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GBB2072-HW-2E P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003	
GBB2072-HW-2F P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003	
GBB2072-HW-2G P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003	
GBB2072-HW-2H P-LUG/H27		C-C	C3.20	XI	SUR	93.68	SUR	NRI	493022	3/26/2003	
GBB2091-1-D P-E		C-F-2	C5.51	XI	VOL SUR	100 100	VOL MT	NRI NRI	493024 493023	3/10/2003 3/10/2003	
GBB2091-2-C P-T		C-F-2	C5.51	XI	VOL SUR	100 100	VOL MT	NRI NRI	493026 493025	3/10/2003 3/10/2003	
GBB2092-1-C RED-P		C-F-2	C5.51	XI	VOL SUR	100 100	VOL SUR	NRI NRI	493028 493027	3/13/2003 3/12/2003	
GBB2171-FW-13 P-E		C-F-1	C5.11	XI	VOL SUR	100 100	VOL SUR	NRI NRI	493030 493029	3/19/2003 3/18/2003	Baseline exam
GBB2171-FW-14 E-V		C-F-1	C5.11	XI	VOL SUR	50.0 100	VOL SUR	NRI NRI	493032 493031	3/19/2003 3/18/2003	INF 03-019 changed cal block to P-14 exam - One-sided stainless UT Baseline
GBB2171-FW-15 P-P		C-F-1	C5.11	XI	VOL SUR	100 100	VOL SUR	NRI NRI	493034 493033	3/19/2003 3/18/2003	Baseline exam
HRC2061-HW-3A INT ATT/H9		D-A	D1.20	XI	VT-1		VT-1	NRI	543004	3/18/2003	
HRC2061-HW-3B INT ATT/H9		D-A	D1.20	XI	VT-1		VT-1	NRI	543004	3/18/2003	
HRC2061-HW-3C INT ATT/H9		D-A	D1.20	XI	VT-1		VT-1	NRI	543004	3/18/2003	
HRC2061-HW-3D INT ATT/H9		D-A	D1.20	XI	VT-1		VT-1	NRI	543004	3/18/2003	
HRC2061-HW-3E INT ATT/H9		D-A	D1.20	XI	VT-1		VT-1	NRI	543004	3/18/2003	

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HV2F028A-FW-1 V-DRAIN BOSS		NA	AUG1	AG	SUR	100	SUR	NRI	833022	3/21/2003	Performed surface PT per INF 01-045 Three indications were observed, but found to be acceptable indications.
HV2F028B-FW-1 V-DRAIN BOSS		NA	AUG1	AG	SUR	100	SUR	NRI	833023	3/21/2003	Performed surface PT per INF 01-045
HV2F028C-FW-1 V-DRAIN BOSS		NA	AUG1	AG	SUR	100	SUR	NRI	833024	3/21/2003	Performed surface PT per INF 01-045
HV2F028D-FW-1 V-DRAIN BOSS		NA	AUG1	AG	SUR	100	SUR	NRI	833025	3/21/2003	Performed surface PT per INF 01-045
INCORE-08-17 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623195	4/15/2003	
INCORE-08-25 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623196	4/15/2003	
INCORE-08-49 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623197	4/15/2003	
INCORE-16-09 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623198	4/15/2003	
INCORE-16-57 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623199	4/15/2003	
INCORE-24-37 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623200	4/15/2003	
INCORE-40-21 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623201	4/15/2003	
INCORE-40-41 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623202	4/15/2003	
INCORE-40-57 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623203	4/15/2003	
INCORE-48-09 INCORE PEN		B-E	B4.13	XI	VT-2		VT-2	NRI	623204	4/15/2003	

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INCORE-48-53 INCORE PEN		B-E	B4.13	XI		VT-2		VT-2	NRI	623205	4/15/2003	
INCORE-56-17 INCORE PEN		B-E	B4.13	XI		VT-2		VT-2	NRI	623206	4/15/2003	
INCORE-56-25 INCORE PEN		B-E	B4.13	XI		VT-2		VT-2	NRI	623207	4/15/2003	
INCORE-56-33 INCORE PEN		B-E	B4.13	XI		VT-2		VT-2	NRI	623208	4/15/2003	
N10 SBLC NOZ		B-E	B4.11	XI		VT-2		VT-2	NRI	623209	4/15/2003	
N11A INST NOZ		B-E	B4.13	XI		VT-2		VT-2	NRI	623212	4/21/2003	
N11A NOZ-SE NOZ SE		B-F	B5.14 0	XI	AG	SUR	100	SUR	NRI	623013	3/30/2003	Per INF 01-016, the N11 and N12 nozzles were rescheduled to this outage (U211RIO).
N11B INST NOZ		B-E	B4.13	XI		VT-2		VT-2	NRI	623213	4/15/2003	
N11B NOZ-SE NOZ SE		B-F	B5.14 0	XI	AG	SUR	100	SUR	NRI	623014	3/30/2003	Per INF 01-016, the N11 and N12 nozzles were rescheduled to this outage (U211RIO).
N12A INST NOZ		B-E	B4.13	XI		VT-2		VT-2	NRI	623214	4/15/2003	
N12A NOZ-SE NOZ SE		B-F	B5.14 0	XI	AG	SUR	100	SUR	NRI	623015	3/30/2003	Per INF 01-016, the N11 and N12 nozzles were rescheduled to this outage (U211RIO).
N12B INST NOZ		B-E	B4.13	XI		VT-2		VT-2	NRI	623215	4/15/2003	
N12B NOZ-SE NOZ SE		B-F	B5.14 0	XI	AG	SUR	100	SUR	NRI	623016	3/30/2003	Per INF 01-016, the N11 and N12 nozzles were rescheduled to this outage (U211RIO).
N16A INST NOZ		B-E	B4.13	XI		VT-2		VT-2	NRI	623210	4/15/2003	

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N16B INST NOZ		B-E	B4.13	XI	VT-2		VT-2	NRI	623211	4/21/2003	
N5A NOZ-SE SE-NOZ		B-F	B5.10	XI	SUR	100	SUR	NRI	623017	3/27/2003	Note: Volumetric was completed in U27RIO and U29RIO
N5B NOZ-SE SE-NOZ		B-F	B5.10	XI	SUR	100	SUR	NRI	623018	3/27/2003	Note: Volumetric was completed in U27RIO and U29RIO
N6A TPHEAD-NOZ		B-D	B3.90	XI	VOL	100	VOL	NRI	623019	3/24/2003	
N6A IR NOZ-IR		B-D	B3.10 0	XI	VOL	100	VOL	NRI	623020	3/24/2003	
N6A-NOZ-FL FL-NOZ		B-J	B9.11	XI	VOL SUR	100 100	VOL SUR	NRI NRI	623022 623021	3/20/2003 3/20/2003	
N6B TPHEAD-NOZ		B-D	B3.90	XI	VOL	100	VOL	NRI	623023	3/24/2003	
N6B IR NOZ-IR		B-D	B3.10 0	XI	VOL	100	VOL	NRI	623024	3/24/2003	
N6B-NOZ-FL FL-NOZ		B-J	B9.11	XI	VOL SUR	100 100	VOL SUR	NRI NRI	623026 623025	3/20/2003 3/20/2003	
N7 TPHEAD-NOZ		B-D	B3.90	XI	VOL	100	VOL	NRI	623027	3/24/2003	
N7 IR NOZ-IR		B-D	B3.10 0	XI	VOL	100	VOL	NRI	623028	3/24/2003	
N7-NOZ-FL NOZ-FL		B-J	B9.11	XI	VOL SUR	100 100	VOL SUR	NRI NRI	623030 623029	3/20/2003 3/20/2003	
N8A NOZ-SE NOZ-SE		B-F	B5.10	XI	SUR				623031		INF 03-029 - exam cancelled due to high rad dose field. AR 462439 issued to track actions related to Relief Request. Exam deferred to U212RIO. Note: Volumetric was completed in U27RIO and U29RIO

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N8B NOZ-SC1		B-D	B3.90	XI		VOL				623032		INF 03-029 - exam cancelled in U211RIO due to high rad dose field. AR 462439 issued to track actions related to Relief Request. Exam deferred to U212RIO.
N8B IR NOZ-IR		B-D	B3.10 0	XI		VOL				623033		INF 03-029 - exam cancelled due to high rad dose field. AR 462439 issued to track actions related to Relief Request. Exam deferred to U212RIO.
N8B NOZ-SE NOZ-SE		B-F	B5.10	XI		SUR				623034		INF 03-029 - exam cancelled in U211RIO due to high rad dose field. AR 462439 issued to track actions related to Relief Request. Exam deferred to U212RIO. Note: Volumetric was completed in U29RIO and U27RIO
N9 NOZ-CAP NOZ-CP		B-F	B5.10	XI		SUR	100	SUR	NRI	623036	3/27/2003	Note: Volumetric was completed in U27RIO and U29RIO
SPDBA2141-FW-36 E-R		NA	AUG1	AG		SUR	100	SUR	NRI	833026	3/21/2003	
SPDBA2141-FW-39 P-E		NA	AUG1	AG	AG	SUR	100	SUR	NRI	833027	3/21/2003	
SPDBA2141-FW-A14A BOSS-P		NA	AUG1	AG		SUR	100	SUR	NRI	833028	3/21/2003	
SPDBA2151-FW-32 E-R		NA	AUG1	AG	AG	SUR	100	SUR	NRI	833029	3/21/2003	
SPDBA2151-FW-35 P-E		NA	AUG1	AG	AG	SUR	100	SUR	NRI	833030	3/21/2003	
SPDBA2151-FW-B14A BOSS-P		NA	AUG1	AG		SUR	100	SUR	NRI	833031	3/21/2003	
SPDBA2161-FW-41 E-R		NA	AUG1	AG	AG	SUR	100	SUR	NRI	833032	3/21/2003	
SPDBA2161-FW-44 P-E		NA	AUG1	AG	AG	SUR	100	SUR	NRI	833033	3/21/2003	
SPDBA2161-FW-C14A BOSS-P		NA	AUG1	AG		SUR	100	SUR	NRI	833034	3/21/2003	

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SPDBA2171-FW-37 E-R		NA	AUG1	AG AG	SUR	100	SUR	NRI	833035	3/21/2003	
SPDBA2171-FW-40 P-E		NA	AUG1	AG AG	SUR	100	SUR	NRI	833036	3/21/2003	
SPDBA2171-FW-D14A BOSS-P		NA	AUG1	AG	SUR	100	SUR	NRI	833037	3/21/2003	Two indications were observed, but found to be acceptable indications.
SPDBD2222-FW-1 UNION-P		NA	AUG8	AG	VOL	100	VOL	NRI	643002	3/23/2003	
SPDBD2222-FW-2 P-RED		NA	AUG8	AG	VOL	100	VOL	NRI	643003	3/23/2003	
SPDCA2101-FW-15 P-E		NA	AUG8	AG	VOL	100	VOL	NRI	643004	3/25/2003	
SPDCA2101-FW-16 E-P		NA	AUG8	AG	VOL	100	VOL	NRI	643005	3/23/2003	
SPDCA2102-FW-17 P-E		NA	AUG8	AG	VOL	100	VOL	NRI	643006	3/25/2003	
SPDCA2102-FW-3 E-P		NA	AUG8	AG	VOL	100	VOL	NRI	643007	3/25/2003	
SPDCB2062-FW-25 UNION-P		NA	AUG8	AG	VOL	100	VOL	NRI	643008	3/23/2003	
SPDCB2062-FW-4 P-RED		NA	AUG8	AG	VOL	100	VOL	NRI	643009	3/23/2003	
VBB2022-FW-4 P-T		C-F-2	C5.51	XI	VOL SUR	100 100	VOL SUR	NRI NRI	553002 553001	3/17/2003 3/17/2003	
VNBB213-FW-C-6 FH-V		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	833013 833012	3/28/2003 3/28/2003	
VNBB213-FW-C-7 V-RED		C-F-2	C5.51	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	833015 833014	3/28/2003 3/28/2003	
VNBB213-FW-D-6 FH-V		B-J	B9.11	AG XI	VOL SUR	100 100	VOL SUR	NRI NRI	833017 833016	3/28/2003 3/28/2003	

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VNBB213-FW-D-7		C-F-2	C5.51	AG	XI	VOL	100	VOL	NRI	833019	3/28/2003	
V-RED						SUR	100	SUR	NRI	833018	3/28/2003	
VNBB214-18-M		B-J	B9.11	XI		VOL	100	VOL	NRI	833021	4/1/2003	Per INF 01-041, wrong cal block was used for UT
SWOL-P						SUR	100	SUR	NRI	833020	4/1/2003	during U210RIO(no Section XI Program credit). Re-scheduled and completed during U211RIO.
VRRB313-2-B		B-J	B9.31	XI		VOL	24.8	VOL	NRI	643018	3/31/2003	CNF 03-014 - best effort volumetric examination
WOL-P						SUR	24.8	SUR	NRI	643017	3/31/2003	due to configuration
VRRB313-3-1-H		B-J	B9.11	XI		SUR	100	SUR	NRI	643019	4/2/2003	
PB-SWOL						VOL	100	VOL	NRI	643020	4/2/2003	
VRRB313-FW-A-24		B-J	B9.11	XI	AG	VOL	50.0	VOL	NRI	643016	3/31/2003	One-sided stainless UT exam
V-WOL						SUR	100	SUR	NRI	643015	3/31/2003	
VRRB313-FW-A-6		B-J	B9.11	XI	AG	VOL	50.0	VOL	RI	643012	3/24/2003	Substituted this weld for VRRB313-FW-A-5 per INF
PU-P						SUR	100	SUR	NRI	643011	3/24/2003	88-022 ; ID Root Geometry One-sided stainless UT

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2P203-HW-1 RCIC Pump Mounting Foot		C-C	C3.30	SUR	SUR	NRI	503040	3/19/2003	Initial examination (baseline) Report No. ISI-03-309 replaced Report No. 503040 ISI
2P203-HW-2 RCIC Pump Mounting Foot		C-C	C3.30	SUR	SUR	NRI	ISI-03-313	3/19/2003	Baseline Exam
2P203-HW-3 RCIC Pump Mounting Foot		C-C	C3.30	SUR	SUR	NRI	ISI-03-314	3/19/2003	Baseline Exam
2P203-HW-4 RCIC Pump Mounting Foot		C-C	C3.30	SUR	SUR	NRI	ISI-03-310	3/19/2003	Baseline exam
2P401B-STUD-01 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-02 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-03 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-04 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-05 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-06 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-07 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-08 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-09 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-10 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-11 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	

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2P401B-STUD-12 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-13 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-14 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-15 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
2P401B-STUD-16 PUMP STUD		B-G-1	B6.180	VOL	VOL	NRI	643001	3/24/2003	
CRD-06-15-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623049	3/16/2003	INF 03-020 - minor pitting
CRD-06-43-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623050	3/16/2003	INF 03-020 - minor pitting
CRD-10-15-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623051	3/16/2003	INF 03-020 - minor pitting
CRD-10-35-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623052	3/16/2003	INF 03-020 - minor pitting
CRD-14-27-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623053	3/16/2003	INF 03-020 - minor pitting
CRD-18-31-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623054	3/16/2003	INF 03-020 - minor pitting
CRD-18-39-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623055	3/16/2003	INF 03-020 - minor pitting
CRD-18-59-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623056	3/16/2003	INF 03-020 - minor pitting
CRD-22-59-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623057	3/16/2003	INF 03-020 - minor pitting
CRD-26-07-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623058	3/16/2003	INF 03-020 - minor pitting

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CRD-26-35-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623059	3/16/2003	INF 03-020 - minor pitting
CRD-26-55-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623060	3/16/2003	INF 03-020 - minor pitting
CRD-30-03-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623061	3/16/2003	INF 03-020 - minor pitting
CRD-34-03-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623062	3/16/2003	INF 03-020 - minor pitting
CRD-34-07-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623063	3/16/2003	INF 03-020 - minor pitting
CRD-42-03-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623064	3/16/2003	INF 03-020 - minor pitting
CRD-42-15-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623065	3/16/2003	INF 03-020 - minor pitting
CRD-42-59-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623066	3/16/2003	INF 03-020 - minor pitting
CRD-46-07-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623067	3/16/2003	INF 03-020 - minor pitting
CRD-46-11-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623068	3/16/2003	INF 03-020 - minor pitting
CRD-50-51-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623069	3/16/2003	INF 03-020 - minor pitting
CRD-54-35-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623070	3/16/2003	INF 03-020 - minor pitting
CRD-54-43-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623071	3/16/2003	INF 03-020 - minor pitting
CRD-58-19-BLT CRD HOUSING BLT		B-G-2	B7.80	VT-1	VT-1	NRI	623072	3/16/2003	INF 03-020 - minor pitting
DCA2113-2A-BG2 12/FL BOLT		B-G-2	B7.50	VT-1	VT-1	NRI	493011	3/9/2003	

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DCA2113-FW11-BG2		B-G-2	B7.50	VT-1	VT-1	NRI	493020	3/9/2003	Inspection per ISI-03-432 was performed after flange face was scratchecd (Ref. AR 458106)
12/FL BOLT				VT-1	VT-1	NRI	ISI-03-432	3/27/2003	
HV2F022A		B-M-2	B12.50	VT-3	VT-3	NRI	833047	3/26/2003	Baseline VT-3; ISI-03-360 (PCWO 398763) performed VT-3 on valve cover S/N 5, HT#47433 - two minor gouges ouside of sealing area; this cover originally was to be installed on 2F028A. Due to hardware issues, this cover to be installed on 2F022A. ISI-03-403 performed MT on the machined surface of valve body I.D. and machined seating surface per MSIV modification project. ISI-03-463 performed VT-3 PSI on bonnet after re-machining bolt holes on valve cover.
VALVE INT SUR				VT-3	VT-3	NRI	ISI-03-360	3/23/2003	
				SUR	MT	NRI	ISI-03-403	3/26/2003	
				VT-3	VT-3	NRI	ISI-03-463	3/30/2003	
HV2F022B		B-M-2	B12.50	VT-3	VT-3	NRI	833049	3/27/2003	Baseline VT-3; ISI-03-420 performed baseline MT on machined surface on valve body I.D. and machined surface per MSIV modification. ISI-03-487 performed PSI VT-3 on valve cover on 3/31/03.
VALVE INT SUR				SUR	MT	NRI	ISI-03-420	3/27/2003	
				VT-3	VT-3	NRI	ISI-03-487	3/31/2003	
HV2F022C		B-M-2	B12.50	VT-3	VT-3	NRI	833051	3/27/2003	Baseline VT-3; ISI-03-419 performed baseline MT on machined surface on valve body I.D. and machined surface per MSIV modification. ISI-03-470 performed PSI VT-3 on valve cover on 3/30/03
VALVE INT SUR				SUR	MT	NRI	ISI-03-418	3/27/2003	
				VT-3	VT-3	NRI	ISI-03-470	3/30/2003	
HV2F022D		B-M-2	B12.50	VT-3	VT-3	NRI	833053	3/27/2003	Baseline VT-3; ISI-03-404 performed MT on the machined surface of valve body I.D. and machined seating surface per MSIV modification project. ISI-03-457 performed VT-3 PSI on replacement bonnet after re-machining bolt holes on valve cover.
VALVE INT SUR				SUR	MT	NRI	ISI-03-404	3/26/2003	
				VT-3	VT-3	NRI	ISI-03-457	3/30/2003	
HV2F028A		B-M-2	B12.50	VT-3	VT-3	NRI	ISI-03-247	3/16/2003	Baseline VT-3; used ISI-03-247 instead of 833039
VALVE INT SUR									
HV2F028B		B-M-2	B12.50	VT-3	VT-3	NRI	ISI-03-271	3/18/2003	Baseline VT-3. Note: Report No. ISI-03-271 used instead of 833041. ISI-03-322 performed PSI VT-3 inspection of valve cover.
VALVE INT SUR				SUR	SUR	NRI	ISI-03-270	3/18/2003	
				VT-3	VT-3	NRI	ISI-03-322	3/20/2003	
HV2F028C		B-M-2	B12.50	VT-3	VT-3	NRI	ISI-03-234	3/16/2003	Baseline VT-3; Report No. ISI-03-234 replaced Report No. 833043. ISI-03-304 performed baseline PSI VT-3 on bonnet inner and outer surfaces
VALVE INT SUR				VT-3	VT-2	NRI	ISI-03-304	3/19/2003	
HV2F028D		B-M-2	B12.50	VT-3	VT-3	NRI	ISI-03-250	3/17/2003	Baseline VT-3; ISI-03-303 performed VT-3 on bonnet outer surfaces only
VALVE INT SUR				VT-3	VT-3	NRI	ISI-03-303	3/19/2003	

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HV2F028D-LOC11 DUAL DIAMETER BOLTING		B-G-1	B6.210	VOL	VOL	NRI	833005	3/16/2003	Baseline exam
HV2F028D-LOC11 FLANGE DUAL DIAMETER BOLTING FLANGE		B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC12 DUAL DIAMETER BOLTING		B-G-1	B6.210	VOL	VOL	NRI	833006	3/16/2003	Baseline exam
HV2F028D-LOC12 FLANGE DUAL DIAMETER BOLTING FLANGE		B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-246	3/16/2003	Flange surface
HV2F028D-LOC18 DUAL DIAMETER BOLTING		B-G-1	B6.210	VOL	VOL	NRI	833007	3/16/2003	Baseline exam
HV2F028D-LOC18 FLANGE DUAL DIAMETER BOLTING FLANGE		B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC20 DUAL DIAMETER BOLTING		B-G-1	B6.210	VOL	VOL	NRI	833008	3/16/2003	Baseline exam
HV2F028D-LOC20 FLANGE DUAL DIAMETER BOLTING FLANGE		B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC3 DUAL DIAMETER BOLTING		B-G-1	B6.210	VOL	VOL	NRI	833009	3/16/2003	Baseline exam
HV2F028D-LOC3 FLANGE DUAL DIAMETER BOLTING FLANGE		B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC6 DUAL DIAMETER BOLTING		B-G-1	B6.210	VOL	VOL	NRI	833010	3/16/2003	Baseline exam
HV2F028D-LOC6 FLANGE DUAL DIAMETER BOLTING FLANGE		B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-233	3/16/2003	Flange surface
HV2F028D-LOC8 DUAL DIAMETER BOLTING		B-G-1	B6.210	VOL	VOL	NRI	833011	3/16/2003	Baseline exam

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HV2F028D-LOC8 **FLANGE** DUAL DIAMETER BOLTING FLANGE		B-G-1	B6.220	VT-1	VT-1	NRI	ISI-03-246	3/16/2003	Flange surface
HV2F050B VALVE INT SUR		B-M-2	B12.50	VT-3 VT-3	VT-3 VT-3	RI NRI	ISI-03-412 ISI-03-426	3/26/2003 3/27/2003	AR 462418 generated - valve seat has pitting 360 degrees; possible stellite worn off seat. Engineering disposition to AR 462418 was "use-as-is". ISI-03-426 inspected the new valve disc only for HV2F050Bafter machining (baseline exam).
PSV2F013B-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-367	3/23/2003	Performed PSI on 12 replacement supernut washers (baseline exam only) that will be installed on MSRV PSV241F013B
PSV2F013D-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-190	3/12/2003	PSI on Super Nut Washers (baseline exam only)
PSV2F013F-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-365	3/23/2003	Performed PSI on 12 replacement supernut washers (baseline exam only) that will be installed on MSRV PSV241F013F
PSV2F013H-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-366	3/23/2003	Performed PSI on 12 replacement supernut washers (baseline exam only) that will be installed on MSRV PSV241F013H
PSV2F013K-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1 VT-1	VT-1 VT-1	NRI NRI	ISI-03-186 ISI-03-437	3/12/2003 3/28/2003	ISI-03-186 performed PSI on Super Nut Washers (baseline exam only). ISI-03-437 performed PSI on 2 1" bolts and 4 Bellville washers (baseline exam only)
PSV2F013L-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-189	3/12/2003	PSI on Super Nut Washers (baseline exam only)
PSV2F013N-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-188	3/12/2003	PSI on Super Nut Washers (baseline exam only)
PSV2F013R-BG2 VALVE BOLTING		B-G-2	B7.70	VT-1	VT-1	NRI	ISI-03-187	3/12/2003	PSI on Super Nut Washers (baseline exam only)
RPV-N6A-BG2 12/HD SPRAY FL		B-G-2	B7.10	VT-1	VT-1	NRI	623037	3/9/2003	
RPV-N6B-BG2 12/HD SPRAY FL		B-G-2	B7.10	VT-1 VT-1	VT-1 VT-1	NRI NRI	623038 ISI-03-592	3/9/2003 4/7/2003	ISI-03-592 performed PSI VT-1 on new replacement studs(2) and nuts(4)
RPV-N7-BG2 08/HD VENT FL		B-G-2	B7.10	VT-1	VT-1	NRI	623039	3/9/2003	
RPV-NUT-01 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623075	3/18/2003	

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RPV-NUT-02 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623076	3/18/2003	
RPV-NUT-03 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623077	3/18/2003	
RPV-NUT-04 RPV NUT		B-G-1	B6.10	SUR	SUR	RI	623078	3/18/2003	Linear Indication Acceptable.
RPV-NUT-05 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623079	3/18/2003	
RPV-NUT-06 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623080	3/18/2003	
RPV-NUT-07 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623081	3/18/2003	
RPV-NUT-08 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623082	3/18/2003	
RPV-NUT-09 RPV NUT		B-G-1	B6.10	SUR	SUR	RI	623083	3/18/2003	Linear Indication Acceptable.
RPV-NUT-10 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623084	3/18/2003	
RPV-NUT-11 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623085	3/18/2003	
RPV-NUT-12 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623086	3/18/2003	
RPV-NUT-13 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623087	3/18/2003	
RPV-NUT-14 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623088	3/18/2003	
RPV-NUT-15 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623089	3/18/2003	
RPV-NUT-16 RPV NUT		B-G-1	B6.10	SUR	SUR	RI	623090	3/18/2003	Linear Indication Acceptable.

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RPV-NUT-17 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623091	3/18/2003	
RPV-NUT-18 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623092	3/18/2003	
RPV-NUT-19 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623093	3/18/2003	
RPV-NUT-20 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623094	3/18/2003	
RPV-NUT-21 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623095	3/18/2003	
RPV-NUT-22 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623096	3/18/2003	
RPV-NUT-23 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623097	3/18/2003	
RPV-NUT-24 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623098	3/18/2003	
RPV-NUT-25 RPV NUT		B-G-1	B6.10	SUR	SUR	NRI	623099	3/18/2003	
RPV-STUD-01 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623125	3/10/2003	
RPV-STUD-02 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623126	3/10/2003	
RPV-STUD-03 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623127	3/10/2003	
RPV-STUD-04 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623128	3/10/2003	
RPV-STUD-05 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623129	3/10/2003	
RPV-STUD-06 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623130	3/10/2003	

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RPV-STUD-07 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623131	3/10/2003	
RPV-STUD-08 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623132	3/10/2003	
RPV-STUD-09 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623133	3/11/2003	
RPV-STUD-10 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623134	3/11/2003	
RPV-STUD-11 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623135	3/11/2003	
RPV-STUD-12 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623136	3/11/2003	
RPV-STUD-13 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623137	3/11/2003	
RPV-STUD-14 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623138	3/11/2003	
RPV-STUD-15 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623139	3/11/2003	
RPV-STUD-16 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623140	3/11/2003	
RPV-STUD-17 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623141	3/11/2003	
RPV-STUD-18 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623142	3/11/2003	
RPV-STUD-19 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623143	3/11/2003	
RPV-STUD-20 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623144	3/11/2003	
RPV-STUD-21 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623145	3/11/2003	

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RPV-STUD-22 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623146	3/11/2003	
RPV-STUD-23 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623147	3/11/2003	
RPV-STUD-24 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623148	3/11/2003	
RPV-STUD-25 RPV STUD		B-G-1	B6.20 B6.30	VOL	VOL	NRI	623149	3/11/2003	
RPV-WASH-01 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623100	3/18/2003	
RPV-WASH-02 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623101	3/18/2003	
RPV-WASH-03 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623102	3/18/2003	
RPV-WASH-04 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623103	3/18/2003	
RPV-WASH-05 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623104	3/18/2003	
RPV-WASH-06 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623105	3/18/2003	
RPV-WASH-07 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623106	3/18/2003	
RPV-WASH-08 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623107	3/18/2003	
RPV-WASH-09 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623108	3/18/2003	
RPV-WASH-10 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623109	3/18/2003	
RPV-WASH-11 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623110	3/18/2003	

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RPV-WASH-12 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623111	3/18/2003	
RPV-WASH-13 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623112	3/18/2003	
RPV-WASH-14 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623113	3/18/2003	
RPV-WASH-15 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623114	3/18/2003	
RPV-WASH-16 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623115	3/18/2003	
RPV-WASH-17 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623116	3/18/2003	
RPV-WASH-18 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623117	3/18/2003	
RPV-WASH-19 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623118	3/18/2003	
RPV-WASH-20 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623119	3/18/2003	
RPV-WASH-21 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623120	3/18/2003	
RPV-WASH-22 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623121	3/18/2003	
RPV-WASH-23 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623122	3/18/2003	
RPV-WASH-24 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623123	3/18/2003	
RPV-WASH-25 RPV WASH		B-G-1	B6.50	VT-1	VT-1	NRI	623124	3/18/2003	

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ISI Identifier / Description	Line Number / Insulation	Type	Section XI Cat.	Section XI Item	Inspection Reason	Required Exam	Insp. By	Actual Exam	Results	Report Number	Date	Inspection Comments
2E-205B/UPPER SUP	M		F-A	F1.40	XI	VT-3		VT-3	NRI	493039	3/17/2003	
BRACKET/STRUCT												
DBA2022-H14	M	R	F-A	F1.10	XI	VT-3		VT-3	NRI	523008	3/25/2003	
RIGID HANG												
DCA2112-H11	M	SP	F-A	F1.10	XI	VT-3		VT-3	NRI	493035	3/31/2003	
CONST SUP												
DCA2112-H23	M	R	F-A	F1.10	XI	VT-3 VT-3		VT-3 VT-3	RI NRI	493036 493036A	3/27/2003 3/31/2003	AR 463076 written for loose lock nut (no exam expansion required). Nut was tightened per PCWO 463090 and final VT-3 was performed.
SWAY ST												
GBB2011-H63	B	R	F-A	F1.20	XI	VT-3		VT-3	NRI	513024	3/10/2003	
SWAY ST												
GBB2012-H30	M	R	F-A	F1.20	XI	VT-3		VT-3	NRI	513025	3/11/2003	
SWAY ST												
GBB2014-H1	B	R	F-A	F1.20	XI	VT-3		VT-3	NRI	513026	3/21/2003	
SWAY ST												
GBB2014-H8	M	A	F-A	F1.20	XI	VT-3		VT-3	NRI	513027	3/21/2003	
ANCHOR												
GBB2032-H1	M	R	F-A	F1.20	XI	VT-3 VT-3		VT-3 VT-3	RI NRI	513028 513028A	3/11/2003 3/14/2003	CR 458581 documented loose lock nut on base plate (no expansion required). PCWO 458583 corrected - Re-performed VT-3 per PCWO 458583 and ISI Report 513028A on 3/14/03.
SWAY ST												
GBB2041-H11	M	SP	F-A	F1.20	XI	VT-3		VT-3	NRI	493037	3/11/2003	
VAR SUP												

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GBB2043-H23 SWAY ST	M	R	F-A	F1.20	XI	VT-3		VT-3	NRI	493038	3/17/2003	
HBB2041-H66 SWAY ST	M	R	F-A	F1.20	XI	VT-3		VT-3	NRI	513029	3/11/2003	
HBB2071-H51 SWAY ST	M	R	F-A	F1.20	XI	VT-3		VT-3	NRI	523009	3/11/2003	
HRC2021-H7 RIGID SUP/GUIDE	0	R	F-A	F1.30	XI	VT-3		VT-2	NRI	543001	3/18/2003	
HRC2051-H23 SWAY ST		R	F-A	F1.30	AD	VT-3		VT-3	NRI	ISI-03-346	3/22/2003	Part of additional exams required by Code Case N-491 as result of AR 460130 on Sway Strut HRC2051-H24
HRC2051-H24 SWAY ST	0	R	F-A	F1.30	XI	VT-3 VT-3		VT-3 VT-3	RI NRI	543002 ISI-03-536	3/18/2003 4/4/2003	AR 460130
HRC2051-H25 SWAY ST		R	F-A	F1.30	AD	VT-3		VT-2	NRI	ISI-03-320	3/19/2003	Part of additional exams required by Code Case N-491 as result of AR 460130 on Sway Strut HRC2051-H24
HRC2061-H9 ANCHOR	0	A	F-A	F1.30	XI	VT-3		VT-3	NRI	543003	3/18/2003	
HRC2071-H3 SWAY ST		R	F-A	F1.30	AD	VT-3		VT-3	NRI	ISI-03-321	3/19/2003	Part of additional exams required by Code Case N-491 as result of AR 460130 on Sway Strut HRC2051-H24
HRC2121-H9 RIGID SUP	0	R	F-A	F1.30	XI	VT-3		VT-3	NRI	163001	3/17/2003	

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HRC2131-H8 SWAY ST	0	R	F-A	F1.30	XI	VT-3		VT-3	NRI	163002	3/17/2003	
MST222-H4 VAR SUP	M	SP	F-A	F1.10	XI	VT-3		VT-3	NRI	833038	3/26/2003	
RWS200-HA7 VAR SUP	M	SP	F-A	F1.40	SU	VT-3		VT-2	NRI	643053	3/23/2003	CR 324825 (written during U210RIO) identified that HA7 rework was required
ST BRKT SUP-F STAB BRACK SUP	M		F-A	F1.40	XI	VT-3		VT-3	NRI	623043	3/31/2003	
ST BRKT SUP-G STAB BRACK SUP	M		F-A	F1.40	XI	VT-3		VT-3	NRI	623044	3/31/2003	
ST BRKT SUP-H STAB BRACK SUP	M		F-A	F1.40	XI	VT-3		VT-3	NRI	623045	3/31/2003	
VBB2021-H10 RIGID HANG	0	R	F-A	F1.20	XI	VT-3		VT-3	NA	553003	3/14/2003	
VBB2021-H9 RIGID HANG	0	R	F-A	F1.20	XI	VT-3		VT-3	NRI	553004	3/14/2003	
VBB2022-H2 RIGID HANG	0	R	F-A	F1.20	XI	VT-3		VT-3	NRI	553005	3/14/2003	

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BAFFLE PLATE	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	100	VT-3	NRI	623627	3/20/2003	Two exams. Code inspection / Examine from 120 degree to 360 degree of top surface (623627).
CORE SUPPORT					VT-3	100	VT-3	NRI	623779	3/29/2003	Also, Code inspection / Examine from 0 degree to 360 degree of BOTTOM surface in conjunction with lower plenum H8 and H9 inspections (623779).
Cell 14-31 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623661	3/17/2003	BWRVIP baseline
Cell 14-31 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623662	3/17/2003	BWRVIP baseline
Cell 14-31 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	80	EVT-1	NRI	623663	3/17/2003	BWRVIP baseline
Cell 14-31 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623664	3/17/2003	BWRVIP baseline
Cell 18-19 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623665	3/17/2003	BWRVIP baseline
Cell 18-19 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623666	3/17/2003	BWRVIP baseline
Cell 18-19 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623667	3/17/2003	BWRVIP baseline
Cell 18-19 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623668	3/17/2003	BWRVIP baseline
Cell 18-27 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623669	3/17/2003	BWRVIP baseline
Cell 18-27 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623670	3/17/2003	BWRVIP baseline
Cell 18-27 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623671	3/17/2003	BWRVIP baseline
Cell 18-27 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623672	3/17/2003	BWRVIP baseline

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Cell 18-35 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	25	VT-3	NRI	623673	3/17/2003	BWRVIP baseline
Cell 18-35 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623674	3/17/2003	BWRVIP baseline
Cell 18-35 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623675	3/17/2003	BWRVIP baseline
Cell 18-35 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623676	3/17/2003	BWRVIP baseline
Cell 18-43 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623677	3/17/2003	BWRVIP baseline
Cell 18-43 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623678	3/17/2003	BWRVIP baseline
Cell 18-43 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623679	3/17/2003	BWRVIP baseline
Cell 18-43 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623680	3/17/2003	BWRVIP baseline
Cell 22-23 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623681	3/17/2003	BWRVIP baseline
Cell 22-23 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623682	3/17/2003	BWRVIP baseline
Cell 22-23 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623683	3/17/2003	BWRVIP baseline
Cell 22-23 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623684	3/17/2003	BWRVIP baseline
Cell 22-39 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623685	3/17/2003	BWRVIP baseline

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Cell 22-39 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623686	3/17/2003	BWRVIP baseline
Cell 22-39 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623687	3/17/2003	BWRVIP baseline
Cell 22-39 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623688	3/17/2003	BWRVIP baseline
Cell 26-19 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623689	3/17/2003	BWRVIP baseline
Cell 26-19 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623690	3/17/2003	BWRVIP baseline
Cell 26-19 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623691	3/17/2003	BWRVIP baseline
Cell 26-19 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	15	VT-3	NRI	623692	3/17/2003	BWRVIP baseline
Cell 26-43 CRGT-1 CRD GUIDE TUBE SLEEVE-TO-ALIGNMENT LUG WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623693	3/17/2003	BWRVIP baseline
Cell 26-43 CRGT-2 CRD GUIDE TUBE BODY-TO-SLEEVE WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623694	3/17/2003	BWRVIP baseline
Cell 26-43 CRGT-3 CRD GUIDE TUBE BASE-TO-BODY WELD	CRDGT	NA	AUG9	AG	EVT-1	100	EVT-1	NRI	623695	3/17/2003	BWRVIP baseline
Cell 26-43 FS/GT-ARPIN-1 GUIDE TUBE & FUEL SUPPORT ALIGNMENT PIN-TO-CORE PLATE WELD	CRDGT	NA	AUG9	AG	VT-3	50	VT-3	NRI	623696	3/17/2003	BWRVIP baseline
CORE SUP PLT BOLTS 34 BLTS	CORE PLATE	B-N-2	B13.40 AUG9	XI AG	VT-3	50*	VT-3	NRI	623624	3/29/2003	Code inspections / Visually examine bolting from beneath core plate for integrity of bolt and nut. 18 of the 34 bolts were examined; 16 had code coverage of 50% and 2 bolts had <50% coverage due to guide tube and shroud configuration and/or camera position limitations.

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CRD02-19 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	8	VT-3	NRI	623697	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD02-23 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	20	VT-3	NRI	623698	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD02-27 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	10	VT-3	NRI	623699	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD02-31 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	10	VT-3	NRI	623700	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD02-35 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	20	VT-3	NRI	623701	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD02-39 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623702	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD02-43 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623703	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD06-15 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623704	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD06-47 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	3	VT-3	NRI	623705	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD10-11 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	8	VT-3	NRI	623706	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD10-51 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623707	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.

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CRD14-07 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	1	VT-3	NRI	623708	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD14-55 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	20	VT-3	NRI	623709	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD18-03 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623710	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD18-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	4	VT-3	NRI	623711	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD22-03 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623712	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD22-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	20	VT-3	NRI	623713	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD26-03 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623714	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD26-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	25	VT-3	NRI	623715	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD30-03 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	8	VT-3	NRI	623716	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD30-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	25	VT-3	NRI	623717	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD34-03 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623718	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.

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CRD34-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623719	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD38-03 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623720	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD38-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	20	VT-3	NRI	623721	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD42-03 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	2	VT-3	NRI	623722	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD42-59 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	1	VT-3	NRI	623723	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD46-07 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623724	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD46-55 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	10	VT-3	NRI	623725	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD50-11 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	10	VT-3	NRI	623726	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD50-51 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	20	VT-3	NRI	623727	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD54-15 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623728	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD54-47 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	1	VT-3	NRI	623729	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.

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CRD58-19 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	5	VT-3	NRI	623730	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD58-23 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	10	VT-3	NRI	623731	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD58-31 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	2	VT-3	NRI	623733	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD58-35 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	25	VT-3	NRI	623734	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD58-39 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	25	VT-3	NRI	623735	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
CRD58-43 GUIDE TUBE LOWER PLENUM	CRDGT	B-N-2	B13.40	XI	VT-3	20	VT-3	NRI	623736	3/29/2003	Code inspection / Access to lower plenum during jet pump modifications. Camera position in vessel limitations.
DRY TUBE 16-21 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AG	VT-1	25	VT-1	RI	623516	3/14/2003	Inspection is for SIL 409 R2. AR 459239 identified missing dry tube plunger assembly. Dry tube was replaced.
DRY TUBE 16-45 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AD	VT-3	25	VT-3	NRI	623829	3/17/2003	Inspect to ensure plunger intact only (AR459506)
DRY TUBE 24-29 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AG	VT-1	50	VT-1	RI	623517	3/14/2003	Inspection is for SIL 409 R2. AR 459285 documented relevent linear indication at spring tube to guide plug weld. Dry tube was replaced.
DRY TUBE 24-37 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AD	VT-3	25	VT-3	NRI	623831	3/17/2003	Inspect to ensure plunger intact only (AR459506)
DRY TUBE 32-29 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AG	VT-1	100	VT-1	NRI	623518	3/14/2003	Inspection is for SIL 409 R2
DRY TUBE 40-21 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AG	VT-1	75	VT-1	NRI	623519	3/14/2003	Inspection is for SIL 409 R2

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DRY TUBE 40-45 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AD	VT-3	25	VT-3	NRI	623833	3/17/2003	Inspect to ensure plunger intact only (AR459506)
DRY TUBE 48-13 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AG	VT-1	100	VT-1	NRI	623520	3/14/2003	Inspection is for SIL 409 R2
DRY TUBE 48-53 INCORE DRY TUBE	LOWER PLENUM	NA	AUG6	AG	VT-1	75	VT-1	NRI	623521	3/14/2003	Inspection is for SIL 409 R2
DRYER LUG LL-A 40 DEG DRYER LIFTING LUG	DRYER	NA	AUG6	AG	VT-1 VT-3	100	VT-1 VT-3	RI NRI	623575 623808	3/31/2003 3/31/2003	AR-459695 dispo to re-inspect in U2 12th.
DRYER LUG LL-B 140 DEG DRYER LIFTING LUG	DRYER	NA	AUG6	AG	VT-1 VT-3	100 100	VT-1 VT-3	RI NRI	623576 623780	3/31/2003 3/31/2003	Previous indication/ cracked tack weld. Inspection for U2-11RIO evaluated (CNF 03-08) that this indication has not grown. Ref. AR#459695 to re-inspect in U2 12th.
DRYER LUG LL-C 220 DEG DRYER LIFTING LUG	DRYER	NA	AUG6	AG	VT-1 VT-3	100 100	VT-1 VT-3	RI NRI	623577 623781	3/31/2003 3/31/2003	AR-459695 dispo to re-inspect in U2 12th.
DRYER LUG LL-D 320 DEG DRYER LIFTING LUG	DRYER	NA	AUG6	AG	VT-1 VT-3	100 100	VT-1 VT-3	RI NRI	623578 623782	3/31/2003 3/31/2003	AR-459695 dispo to re-inspect in U2 12th.
DRYER SUPT RING HOR HORIZONTAL FACE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	RI	623573	3/12/2003	AR 459501. NOTE Previously mapped indications have not grown.
DRYER SUPT RING VER VERTICAL FACE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	RI	623574	3/13/2003	AR 459501. NOTE: Previously identified indications have not grown.
DRYER WELD DC-A-1 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623549	3/12/2003	
DRYER WELD DC-A-2 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623550	3/12/2003	
DRYER WELD DC-A-3 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623551	3/12/2003	
DRYER WELD DC-B-1 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623552	3/12/2003	
DRYER WELD DC-B-2 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623553	3/12/2003	

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DRYER WELD DC-B-3 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623554	3/12/2003	
DRYER WELD DC-C-1 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623555	3/12/2003	
DRYER WELD DC-C-2 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623556	3/12/2003	
DRYER WELD DC-C-3 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623557	3/12/2003	
DRYER WELD DC-D-1 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623558	3/12/2003	
DRYER WELD DC-D-2 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623559	3/12/2003	
DRYER WELD DC-D-3 DRAIN CHAN WELD	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623560	3/12/2003	
DRYER WELD HE-A-1 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623561	3/12/2003	
DRYER WELD HE-A-2 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623562	3/12/2003	
DRYER WELD HE-B-1 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623563	3/12/2003	
DRYER WELD HE-B-2 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623564	3/12/2003	
DRYER WELD HE-C-1 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623565	3/12/2003	
DRYER WELD HE-C-2 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623566	3/12/2003	
DRYER WELD HE-D-1 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623567	3/12/2003	
DRYER WELD HE-D-2 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623568	3/12/2003	

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DRYER WELD HE-E-1 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623569	3/12/2003	
DRYER WELD HE-E-2 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623570	3/12/2003	
DRYER WELD HE-F-1 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623571	3/12/2003	
DRYER WELD HE-F-2 HOOD/END PANEL	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623572	3/12/2003	
DRYER WELD TR-A-1/2 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623525	3/31/2003	
DRYER WELD TR-A-3/4 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623526	3/31/2003	
DRYER WELD TR-A-5/6 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623527	3/31/2003	
DRYER WELD TR-A-7/8 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623528	3/31/2003	
DRYER WELD TR-B-1/2 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623529	3/31/2003	
DRYER WELD TR-B-3/4 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623530	3/31/2003	
DRYER WELD TR-B-5/6 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623531	3/31/2003	
DRYER WELD TR-B-7/8 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623532	3/31/2003	
DRYER WELD TR-C-1/2 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623533	3/31/2003	
DRYER WELD TR-C-3/4 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623534	3/31/2003	
DRYER WELD TR-C-5/6 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623535	3/31/2003	

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DRYER WELD TR-C-7/8 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623536	3/31/2003	
DRYER WELD TR-D-1/2 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623537	3/31/2003	
DRYER WELD TR-D-3/4 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623538	3/31/2003	
DRYER WELD TR-D-5/6 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623539	3/31/2003	
DRYER WELD TR-D-7/8 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623540	3/31/2003	
DRYER WELD TR-E-1/2 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623541	3/31/2003	
DRYER WELD TR-E-3/4 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623542	3/31/2003	
DRYER WELD TR-E-5/6 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623543	3/31/2003	
DRYER WELD TR-E-7/8 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623544	3/31/2003	
DRYER WELD TR-F-1/2 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623545	3/31/2003	
DRYER WELD TR-F-3/4 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623546	3/31/2003	
DRYER WELD TR-F-5/6 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623547	3/31/2003	
DRYER WELD TR-F-7/8 CAPTURE PLATE	DRYER	NA	AUG6	AG	VT-1	100	VT-1	NRI	623548	3/31/2003	
DRYER WELD VS-A-1 VANE BUNDLE ASSEM TO STEAM DAM	DRYER	NA	AUG6	AD	VT-1	100	VT-1	NRI	623834	3/18/2003	Exam location added this outage due to observed cracking during Dryer Lug D exam @ 340
DRYER WELD VS-A-2 VANE BUNDLE ASSEM TO STEAM DAM	DRYER	NA	AUG6	AD	VT-1	100	VT-1	NRI	623835	3/18/2003	Exam location added this outage due to observed cracking during Dryer Lug D exam @ 340

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DRYER WELD VS-F-2 VANE BUNDLE ASSEM TO STEAM DAM	DRYER	NA	AUG6	AD		VT-1	100	VT-1	NRI	623836	3/18/2003	Exam location added this outage due to observed cracking during Dryer Lug D exam @ 340
FUEL SUP PC 14-31 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623651	3/18/2003	Code inspection
FUEL SUP PC 18-19 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623652	3/18/2003	Code inspection
FUEL SUP PC 18-27 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623653	3/18/2003	Code inspection
FUEL SUP PC 18-35 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623654	3/18/2003	Code inspection
FUEL SUP PC 18-43 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623655	3/18/2003	Code inspection
FUEL SUP PC 22-23 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623656	3/18/2003	Code inspection
FUEL SUP PC 22-39 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623657	3/18/2003	Code inspection
FUEL SUP PC 26-19 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623658	3/18/2003	Code inspection
FUEL SUP PC 26-43 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623659	3/18/2003	Code inspection
FUEL SUP PC 30-15 CORE SUPPORT	LOWER PLENUM	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623660	3/18/2003	Code inspection
GUIDE ROD BRKT B	VESSEL ATTACHMENT WELDS	B-N-2	B13.30	XI	AG	VT-3	75	VT-3	NRI	623524	3/31/2003	Code and BWRVIP
GUIDE ROD BRACKET-TO-SS OVERLAY AT RPV			AUG9									
HLD DWN BRKT WELD C	VESSEL ATTACHMENT WELDS	B-N-2	B13.30	XI	AG	VT-3	100	VT-3	NRI	623522	3/13/2003	Code and BWRVIP. Light surface corrosion(reddish-brown in color)
STM DRYER HOLDWN BRKT-TO-INTERIOR OF VSSL HEAD			AUG9									

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HLD DWN BRKT WELD D STM DRYER HOLDWN BRKT-TO-INTERIOR OF VSSL HEAD	VESSEL ATTACHMENT WELDS	B-N-2	B13.30 AUG9	XI	AG	VT-3	100	VT-3	NRI	623523	3/13/2003	Code and BWRVIP. Light surface corrosion(reddish-brown in color)
JT PMP 13 INST LINE WELDS/SUPPORTS	JP-INST-LINE	NA	AUG6	AG		VT-3	50	VT-3	NRI	623359	3/21/2003	
JT PMP 14 INST LINE WELDS/SUPPORTS	JP-INST-LINE	NA	AUG6	AG		VT-3	50	VT-3	NRI	623360	3/19/2003	
N2A JP01 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623446	4/3/2003	BWRVIP baseline
N2A JP01 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623447	4/3/2003	Baseline of the ID and OD of the weld
N2A JP01 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623361	4/6/2003	BWRVIP baseline post JP modification
N2A JP01 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623362	4/6/2003	BWRVIP baseline post JP modification
N2A JP01 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623363	4/6/2003	BWRVIP baseline post JP modification.
N2A JP02 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623448	4/3/2003	BWRVIP baseline
N2A JP02 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623449	4/3/2003	Baseline of the ID and OD of the weld
N2A JP02 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623364	4/6/2003	BWRVIP baseline post JP modification
N2A JP02 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623365	4/6/2003	BWRVIP baseline post JP modification

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N2A JP02 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623366	4/6/2003	BWRVIP baseline post JP modification.
N2B JP03 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623450	4/3/2003	BWRVIP baseline
N2B JP03 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623451	4/3/2003	Baseline of the OD of the weld
N2B JP03 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623367	4/6/2003	BWRVIP baseline post JP modification. Pre-Mod: Removal of temporary spring wedge prior to JP mod per WO# 446658. Post-Mod: Shroud side set screw gap of .010" does not exceed the ECO requirements, however, an Auxiliary Spring Wedge was installed per AR/CR# 465095 dispo following JP mod..
N2B JP03 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623368	4/6/2003	BWRVIP baseline post JP modification
N2B JP03 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623369	4/6/2003	BWRVIP baseline post JP modification. Wedge replacement.
N2B JP04 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623452	4/3/2003	BWRVIP baseline
N2B JP04 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623453	4/3/2003	Baseline of the OD of the weld
N2B JP04 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623370	4/6/2003	BWRVIP baseline post JP modification
N2B JP04 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623371	4/6/2003	BWRVIP baseline post JP modification
N2B JP04 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623372	4/6/2003	BWRVIP baseline post JP modification. Wedge replacement. CR 461306
N2C JP05 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623454	4/3/2003	BWRVIP baseline

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N2C JP05 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623455 623837	4/3/2003	Baselines of the ID and OD of the weld
N2C JP05 DIFFUS DF2 DIFFUSER TO TAILPIPE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623456	4/3/2003	BWRVIP baseline
N2C JP05 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623373	4/6/2003	BWRVIP baseline post JP modification.
N2C JP05 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623374	4/6/2003	BWRVIP baseline post JP modification. CR 464877
N2C JP05 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623375	4/6/2003	BWRVIP baseline post JP modification.
N2C JP06 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623457	4/3/2003	BWRVIP baseline
N2C JP06 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623458 623838	4/3/2003	Baselines of the ID and OD of the weld
N2C JP06 DIFFUS DF2 DIFFUSER TO TAILPIPE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623459	4/3/2003	BWRVIP baseline
N2C JP06 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623376	4/6/2003	BWRVIP baseline post JP modification
N2C JP06 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623377	4/6/2003	BWRVIP baseline post JP modification
N2C JP06 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623378	4/6/2003	BWRVIP baseline post JP modification.
N2C RISR BRACE RS8 RISER BRACE YOKE TO RISER PIPE CIRC TOP WELD	JP	NA	AUG9	AG	BL	EVT-1	75	EVT-1	NRI	623423	3/28/2003	BWRVIP baseline

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N2C RISR BRACE RS9 RISER BRACE YOKE TO RISER PIPE CIRC BOTTOM WELD	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623424	3/28/2003	BWRVIP baseline
N2C RISR PIPE RS1 RISER ELBOW TO THERMAL SLEEVE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623505	3/28/2003	Baseline
N2C RISR PIPE RS2 RISER ELBOW TO RISER PIPE	JP	NA	AUG9	AG	BL	EVT-1	90	EVT-1	NRI	623506	3/28/2003	BWRVIP baseline
N2C RISR PIPE RS3 RISER PIPE TO TRANSITION PIECE	JP	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623507	3/28/2003	BWRVIP baseline
N2C RISR PIPE RS6 RISER PIPE TO RESTRAINER BRACKET (LEFT)	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623508	3/28/2003	BWRVIP baseline
N2C RISR PIPE RS7 RISER PIPE TO RESTRAINER BRACKET (RIGHT)	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623509	3/28/2003	BWRVIP baseline
N2D JP07 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623460	4/3/2003	BWRVIP baseline
N2D JP07 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623461 623839	4/3/2003	Baselines of the OD of the weld
N2D JP07 DIFFUS DF1 COLLAR TO DIFFUSER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623462	4/3/2003	BWRVIP baseline AND inspect because of wedge wear in Unit #2 10th.
N2D JP07 DIFFUS DF2 DIFFUSER TO TAILPIPE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623463	4/3/2003	BWRVIP baseline
N2D JP07 IN4 INLET TO MIXER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623464	4/3/2003	BWRVIP baseline
N2D JP07 MX2 MIXER BARREL TO ADAPTER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623465	4/3/2003	BWRVIP baseline
N2D JP07 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623379	4/6/2003	BWRVIP baseline post JP modification
N2D JP07 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623380	4/6/2003	BWRVIP baseline post JP modification. CR464877

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N2D JP07 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623381	4/6/2003	BWRVIP baseline post JP modification. Restraint bracket pad repair and wedge replacement.
N2D JP08 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623466	4/3/2003	BWRVIP baseline
N2D JP08 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623467 623840	4/3/2003	Baselines of the ID and OD of the weld
N2D JP08 DIFFUS DF2 DIFFUSER TO TAILPIPE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623468	4/3/2003	BWRVIP baseline
N2D JP08 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623382	4/6/2003	BWRVIP baseline post JP modification
N2D JP08 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623383	4/6/2003	BWRVIP baseline post JP modification
N2D JP08 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623384	4/6/2003	BWRVIP baseline post JP modification. Previous indication of wear
N2D RISR BRACE RB1A RISER BRACE LEG TO VESSEL PAD UPPER RIGHT	JP	NA	AUG9	AG	BL	EVT-1	90	EVT-1	NRI	623425	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB1B RISER BRACE LEG TO VESSEL PAD UPPER LEFT	JP	NA	AUG9	AG	BL	EVT-1	90	EVT-1	NRI	623426	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB1C RISER BRACE LEG TO VESSEL PAD LOWER RIGHT	JP	NA	AUG9	AG	BL	EVT-1	90	EVT-1	NRI	623427	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB2A RISER YOKE TO RISER LEG UPPER RIGHT	JP	NA	AUG9	AG	BL	EVT-1	90	EVT-1	NRI	623428	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB2B RISER YOKE TO RISER LEG UPPER LEFT	JP	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623429	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB2C RISER YOKE TO RISER LEG LOWER RIGHT	JP	NA	AUG9	AG	BL	EVT-1	90	EVT-1	NRI	623430	3/31/2003	BWRVIP baseline
N2D RISR BRACE RB2D RISER YOKE TO RISER LEG LOWER LEFT	JP	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623431	3/31/2003	BWRVIP baseline

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N2D RISR PIPE RS1 RISER ELBOW TO THERMAL SLEEVE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623510	3/28/2003	Baseline
N2D RISR PIPE RS2 RISER ELBOW TO RISER PIPE	JP	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623511	3/28/2003	BWRVIP baseline
N2D RISR PIPE RS3 RISER PIPE TO TRANSITION PIECE	JP	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623512	3/28/2003	BWRVIP baseline
N2D RISR SUP WELD A	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	75	VT-1	NRI	623432	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623813		
N2D RISR SUP WELD B	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623433	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623814		
N2E JP09 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623469	4/3/2003	BWRVIP baseline
N2E JP09 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623470 623841	4/3/2003	Baselines of the OD of the weld
N2E JP09 DIFFUS DF1 COLLAR TO DIFFUSER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623471	4/3/2003	BWRVIP baseline AND inspect because of rod wear in Unit #2 10th.
N2E JP09 DIFFUS DF2 DIFFUSER TO TAILPIPE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623472	4/3/2003	BWRVIP baseline
N2E JP09 IN4 INLET TO MIXER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623473	4/3/2003	BWRVIP baseline
N2E JP09 MX2 MIXER BARREL TO ADAPTER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623474	4/3/2003	BWRVIP baseline
N2E JP09 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623385	4/6/2003	BWRVIP baseline post JP modification
N2E JP09 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623386	4/6/2003	BWRVIP baseline post JP modification
N2E JP09 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623387	4/6/2003	BWRVIP baseline post JP modification. Wedge replacement.

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N2E JP10 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623475	4/3/2003	BWRVIP baseline
N2E JP10 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623476 623842	4/3/2003	Baselines of the ID and OD of the weld
N2E JP10 DIFFUS DF1 COLLAR TO DIFFUSER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623477	4/3/2003	BWRVIP baseline
N2E JP10 DIFFUS DF2 DIFFUSER TO TAILPIPE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623478	4/3/2003	BWRVIP baseline
N2E JP10 IN4 INLET TO MIXER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623479	4/3/2003	BWRVIP baseline
N2E JP10 MX2 MIXER BARREL TO ADAPTER	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623480	4/3/2003	BWRVIP baseline
N2E JP10 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623388	4/6/2003	BWRVIP baseline post JP modification. AR/CR#465095 for .007" gap on vessel side set screw - use-as-is dispo - does not violate acceptance criteria.
N2E JP10 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623389	4/6/2003	BWRVIP baseline post JP modification
N2E JP10 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623390	4/6/2003	BWRVIP baseline post JP modification.
N2E RISR PIPE RS1 RISER ELBOW TO THERMAL SLEEVE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623513	3/28/2003	Baseline
N2E RISR PIPE RS2 RISER ELBOW TO RISER PIPE	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623514	3/28/2003	BWRVIP baseline
N2E RISR PIPE RS3 RISER PIPE TO TRANSITION PIECE	JP	NA	AUG9	AG	BL	EVT-1	50	EVT-1	NRI	623515	3/28/2003	BWRVIP baseline
N2E RISR SUP WELD A	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623434	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623815		

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N2E RISR SUP WELD B	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623435	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623816		
N2F JP11 ADAPT AD1	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623481	4/3/2003	BWRVIP baseline
ADAPTER TOP RING TO BOTTOM RING												
N2F JP11 ADAPT AD2	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623482	4/3/2003	Baseline of the OD of the weld
ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE												
N2F JP11 RESTRN SET SCRW SURFACE AS1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623391	4/6/2003	BWRVIP baseline post JP modification
CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER												
N2F JP11 RESTRN SET SCRW TACK WELD AS2	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623392	4/6/2003	BWRVIP baseline post JP modification
ADJUSTING SET SCREW TACK WELDS												
N2F JP11 RESTRN WD1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623393	4/6/2003	BWRVIP baseline post JP modification.
WEDGE BEARING SURFACE												
N2F JP12 ADAPT AD1	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623483	4/3/2003	BWRVIP baseline
ADAPTER TOP RING TO BOTTOM RING												
N2F JP12 ADAPT AD2	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623484	4/3/2003	Baseline of the ID of the weld
ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE												
N2F JP12 RESTRN SET SCRW SURFACE AS1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623394	4/6/2003	BWRVIP baseline post JP modification
CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER												
N2F JP12 RESTRN SET SCRW TACK WELD AS2	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623395	4/6/2003	BWRVIP baseline post JP modification
ADJUSTING SET SCREW TACK WELDS												
N2F JP12 RESTRN WD1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623396	4/6/2003	BWRVIP baseline post JP modification.
WEDGE BEARING SURFACE												
N2F RISR SUP WELD A	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623436	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623817		

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N2F RISR SUP WELD B	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623437	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623818		
N2G JP13 ADAPT AD1	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623485	4/3/2003	BWRVIP baseline
ADAPTER TOP RING TO BOTTOM RING												
N2G JP13 ADAPT AD2	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623486	4/3/2003	Baseline of the OD of the weld
ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE												
N2G JP13 DIFFUS DF1	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623487	4/3/2003	BWRVIP baseline AND inspect because of wedge wear in Unit #2 10th.
COLLAR TO DIFFUSER												
N2G JP13 RESTRN SET SCRW SURFACE AS1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623397	4/6/2003	BWRVIP baseline post JP modification. AR/CR#465095 for .005" gap on vessel side set screw - dispo use-as-is - does not violate acceptance criteria.
CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER												
N2G JP13 RESTRN SET SCRW TACK WELD AS2	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623398	4/6/2003	BWRVIP baseline post JP modification. CR464877
ADJUSTING SET SCREW TACK WELDS												
N2G JP13 RESTRN WD1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623399	4/6/2003	BWRVIP baseline post JP modification. Restraint bracket pad repair and wedge replacement.
WEDGE BEARING SURFACE												
N2G JP14 ADAPT AD1	JP	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623488	4/3/2003	BWRVIP baseline
ADAPTER TOP RING TO BOTTOM RING												
N2G JP14 ADAPT AD2	JP	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623489	4/3/2003	Baseline of the OD of the weld
ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE												
N2G JP14 DIFFUS DF1	JP	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623490	4/3/2003	BWRVIP baseline AND inspect because of wedge wear in Unit #2 10th.
COLLAR TO DIFFUSER												
N2G JP14 RESTRN SET SCRW SURFACE AS1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623400	4/6/2003	BWRVIP baseline post JP modification
CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER												
N2G JP14 RESTRN SET SCRW TACK WELD AS2	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623401	4/6/2003	BWRVIP baseline post JP modification
ADJUSTING SET SCREW TACK WELDS												

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N2G JP14 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623402	4/6/2003	BWRVIP baseline post JP modification. Restraint bracket pad repair and wedge replacement.
N2G RISR SUP WELD A JT PMP RISER BRACE PADS TO RPV	JP	B-N-2	B13.20	XI	AG	VT-1 EVT-1	90	VT-1 EVT-1	NRI NRI	623438 623819	4/5/2003	BWRVIP baseline EVT and ASME VT-1
N2G RISR SUP WELD B JT PMP RISER BRACE PADS TO RPV	JP	B-N-2	B13.20	XI	AG	VT-1 EVT-1	75	VT-1 EVT-1	NRI NRI	623439 623820	4/5/2003	BWRVIP baseline EVT and ASME VT-1
N2H JP15 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623491	4/3/2003	BWRVIP baseline
N2H JP15 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623492	4/3/2003	Baseline of the OD of the weld
N2H JP15 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623403	4/6/2003	BWRVIP baseline post JP modification
N2H JP15 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623404	4/6/2003	BWRVIP baseline post JP modification. CR464877
N2H JP15 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623405	4/6/2003	BWRVIP baseline post JP modification.
N2H JP16 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	40	EVT-1	NRI	623493	4/3/2003	BWRVIP baseline
N2H JP16 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	40	EVT-1	NRI	623494	4/3/2003	Baseline of the OD of the weld
N2H JP16 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623406	4/6/2003	BWRVIP baseline post JP modification
N2H JP16 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623407	4/6/2003	BWRVIP baseline post JP modification. CR464877
N2H JP16 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623408	4/6/2003	BWRVIP baseline post JP modification.

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N2H RISR SUP WELD A	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623440	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623821		
N2H RISR SUP WELD B	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623441	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623822		
N2J JP17 ADAPT AD1	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623495	4/3/2003	BWRVIP baseline
ADAPTER TOP RING TO BOTTOM RING												
N2J JP17 ADAPT AD2	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623496	4/3/2003	Baseline of the OD of the weld
ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE												
N2J JP17 DIFFUS DF1	JP	NA	AUG9	AG	AD	EVT-1	30	EVT-1	NRI	623497	4/3/2003	Inspect due to wedge wear damage found in Unit #2 10th RIO
COLLAR TO DIFFUSER												
N2J JP17 RESTRN SET SCRW SURFACE AS1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623409	4/6/2003	BWRVIP baseline post JP modification. Scheduled in response to BWRVIP self assessment NTM-02-01. These exams are to be performed and documented if jet pump wedge wear is found. Pre-Mod: Removal of temporary spring wedge prior to JP mod per WO#446658.
CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER												
N2J JP17 RESTRN SET SCRW TACK WELD AS2	JP	NA	AUG9	AG	BL	VT-1	50	VT-1	RI	623410	4/6/2003	BWRVIP baseline post JP modification. Scheduled in response to BWRVIP self assessment NTM-02-01. These exams are to be performed and documented if jet pump wedge wear is found. CR464877
ADJUSTING SET SCREW TACK WELDS												
N2J JP17 RESTRN WD1	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623411	4/6/2003	BWRVIP baseline post JP modification. Restrainer bracket pad repair and wedge replacement.
WEDGE BEARING SURFACE												
N2J JP18 ADAPT AD1	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623498	4/3/2003	BWRVIP baseline
ADAPTER TOP RING TO BOTTOM RING												
N2J JP18 ADAPT AD2	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623499	4/3/2003	Baseline of the OD of the weld
ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE												
N2J JP18 DIFFUS DF1	JP	NA	AUG9	AG	AD	EVT-1	30	EVT-1	NRI	623500	4/3/2003	Inspect due to wedge wear damage in Unit #2 10th RIO
COLLAR TO DIFFUSER												

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N2J JP18 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623413	4/6/2003	BWRVIP baseline post JP modification. Scheduled in response to BWRVIP self assessment NTM-02-01. These exams are to be performed and documented if jet pump wedge wear is found.
N2J JP18 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	50	VT-1	NRI	623414	4/6/2003	BWRVIP baseline post JP modification. Scheduled in response to BWRVIP self assessment NTM-02-01. These exams are to be performed and documented if jet pump wedge wear is found.
N2J JP18 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	90	VT-1	NRI	623415	4/6/2003	BWRVIP baseline post JP modification. Restraint bracket pad repair and wedge replacement.
N2J RISR SUP WELD A	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623442	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1	75	EVT-1	NRI	623823		
N2J RISR SUP WELD B	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623443	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623824		
N2K JP19 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	35	EVT-1	NRI	623501	4/3/2003	BWRVIP baseline
N2K JP19 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623502	4/3/2003	Baseline of the ID and OD of the weld
N2K JP19 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623417	4/6/2003	BWRVIP baseline post JP modification
N2K JP19 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	50	VT-1	RI	623418	4/6/2003	BWRVIP baseline post JP modification. CR464877
N2K JP19 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	90	VT-1	NRI	623419	4/6/2003	BWRVIP baseline post JP modification.
N2K JP20 ADAPT AD1 ADAPTER TOP RING TO BOTTOM RING	JP	NA	AUG9	AG	BL	EVT-1	30	EVT-1	NRI	623503	4/3/2003	BWRVIP baseline
N2K JP20 ADAPT AD2 ADAPTER BOTTOM RING TO SHROUD BAFFLE PLATE	JP	NA	AUG9	AG	BL	EVT-1	100	EVT-1	NRI	623504	4/3/2003	Baseline of the ID and OD of the weld

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N2K JP20 RESTRN SET SCRW SURFACE AS1 CONTACT SURFACE BETWEEN RES. BRKT. SET SCREW AND INLET MIXER	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623420	4/6/2003	BWRVIP baseline post JP modification
N2K JP20 RESTRN SET SCRW TACK WELD AS2 ADJUSTING SET SCREW TACK WELDS	JP	NA	AUG9	AG	BL	VT-1	100	VT-1	RI	623421	4/6/2003	BWRVIP baseline post JP modification. CR464877
N2K JP20 RESTRN WD1 WEDGE BEARING SURFACE	JP	NA	AUG9	AG	BL	VT-1	50	VT-1	NRI	623422	4/6/2003	BWRVIP baseline post JP modification.
N2K RISR SUP WELD A	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623444	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623825		
N2K RISR SUP WELD B	ATTACHMENT WELD	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623445	4/5/2003	BWRVIP baseline EVT and ASME VT-1
JT PMP RISER BRACE PADS TO RPV						EVT-1		EVT-1	NRI	623826		
N3A UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	100	VT-3	NRI	623580	3/18/2003	Code inspection
N3B UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	100	VT-3	NRI	623581	3/18/2003	Code inspection
N3C UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	100	VT-3	NRI	623582	3/18/2003	Code inspection
N3D UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	100	VT-3	NRI	623583	3/18/2003	Code inspection
N4A UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	70	VT-3	NRI	623584	3/18/2003	Code inspection
N4B UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	70	VT-3	NRI	623585	3/18/2003	Code inspection
N4C UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	70	VT-3	NRI	623586	3/18/2003	Code inspection
N4D UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	80	VT-3	NRI	623587	3/18/2003	Code inspection
N4E UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	80	VT-3	NRI	623588	3/18/2003	Code inspection

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N4F UNCLAD AREAS UNCLAD INT SURF	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	80	VT-3	NRI	623589	3/18/2003	Code inspection
N5 SPARG SUP WLD 03 CS SPRG SUP WLD	CS-SPARGER	NA	AUG9	AG		EVT-1	90	EVT-1	RI	623352	3/19/2003	Inspect for previous indication. CR# 461979.
N5 SPARG SUP WLD 07 CS SPRG SUP WLD	CS-SPARGER	NA	AUG9	AG		VT-1	95	VT-1	NRI	623347	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUP WLD 08 CS SPRG SUP WLD	CS-SPARGER	NA	AUG9	AG		VT-1	95	VT-1	NRI	623348	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUP WLD 09 CS SPRG SUP WLD	CS-SPARGER	NA	AUG9	AG		VT-1	90	VT-1	NRI	623349	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUP WLD 10 CS SPRG SUP WLD	CS-SPARGER	NA	AUG9	AG		VT-1	90	VT-1	NRI	623350	3/19/2003	Previous indication & BWRVIP reinspect cycle
N5 SPARG SUP WLD 11 CS SPRG SUP WLD	CS-SPARGER	NA	AUG9	AG		VT-1	45	VT-1	NRI	623351	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUPPORT 03 CS SPARGER SUP	CS-SPARGER	NA	AUG9	AG		VT-3	90	VT-3	NRI	623358	3/19/2003	Inspect with inspection for previous indication in associated weld
N5 SPARG SUPPORT 07 CS SPARGER SUP	CS-SPARGER	NA	AUG9	AG		VT-3	100	VT-3	NRI	623353	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUPPORT 08 CS SPARGER SUP	CS-SPARGER	NA	AUG9	AG		VT-3	100	VT-3	NRI	623354	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUPPORT 09 CS SPARGER SUP	CS-SPARGER	NA	AUG9	AG		VT-3	100	VT-3	NRI	623355	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUPPORT 10 CS SPARGER SUP	CS-SPARGER	NA	AUG9	AG		VT-3	100	VT-3	NRI	623356	3/19/2003	BWRVIP reinspect cycle
N5 SPARG SUPPORT 11 CS SPARGER SUP	CS-SPARGER	NA	AUG9	AG		VT-3	100	VT-3	NRI	623357	3/19/2003	BWRVIP reinspect cycle
N5A BRKT WELD A	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	100	EVT-1	NRI	623300	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-WELD BUILD-UP AT RPV			AUG9			VT-3	100	VT-3	NRI	623804	3/18/2003	

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N5A BRKT WELD B	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	90	EVT-1	NRI	623301	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-WELD BUILD-UP AT RPV			AUG9			VT-3	100	VT-3	NRI	623805	3/18/2003	
N5A BRKT WELD C	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	95	EVT-1	NRI	623302	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-WELD BUILD-UP AT RPV			AUG9			VT-3	100	VT-3	NRI	623806	3/18/2003	
N5A BRKT WELD D	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	95	EVT-1	NRI	623303	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-WELD BUILD-UP AT RPV			AUG9			VT-3	100	VT-3	NRI	623807	3/18/2003	
N5A P4D ELBOW 7DEG BOT ELBOW-HORZ PIPE	CS-PIPING	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623308	4/1/2003	BWRVIP reinspection cycle
N5A P8A COUPL 170 DEG COLLAR AT PIPE	CS-PIPING	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623309	4/1/2003	BWRVIP reinspect cycle
N5A P8A COUPL 7 DEG COLLAR AT PIPE	CS-PIPING	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623310	4/1/2003	BWRVIP reinspect cycle
N5A-B S1 T-BOX 7 DEG COVER PLT TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623315	3/19/2003	BWRVIP reinspection cycle
N5A-B S2 7 LEFT DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623316	3/19/2003	BWRVIP reinspection cycle
N5A-B S2 7 RIGHT DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623317	3/19/2003	BWRVIP reinspection cycle
N5A-B S3A NOZZ NOZZLE TO SPARGER PIPE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623335	3/19/2003	BWRVIP baseline
N5A-B S3B NOZZ NOZZLE TO OFIFICE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623336	3/19/2003	BWRVIP baseline
N5A-B S3C NOZZ DRN-277DEG DRAIN TO SPARGER	CS-SPARGER	NA	AUG9	AG	BL	VT-1	50	VT-1	NRI	623337	3/19/2003	BWRVIP baseline
N5A-B S3C NOZZ DRN-83DEG DRAIN TO SPARGER	CS-SPARGER	NA	AUG9	AG	BL	VT-1	70	VT-1	NRI	623338	3/19/2003	BWRVIP baseline

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N5A-B S4 CAP 273 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623318	3/19/2003	BWRVIP reinspect cycle
N5A-B S4 CAP 87 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	50	EVT-1	NRI	623319	3/19/2003	BWRVIP reinspect cycle
N5A-D S1 T-BOX 173 DEG COVER PLT TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623320	3/19/2003	BWRVIP reinspection cycle
N5A-D S2 LEFT 173 DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623321	3/19/2003	BWRVIP reinspection cycle
N5A-D S2 RIGHT 173 DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623322	3/19/2003	BWRVIP reinspection cycle
N5A-D S3A NOZZ NOZZLE TO SPARGER PIPE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623339	3/19/2003	BWRVIP baseline
N5A-D S3B NOZZ NOZZLE TO ORIFICE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623340	3/19/2003	BWRVIP baseline
N5A-D S3C NOZZ DRN-263DEG DRAIN TO SPARGER	CS-SPARGER	NA	AUG9	AG	BL	VT-1	50	VT-1	NRI	623341	3/19/2003	BWRVIP baseline
N5A-D S3C NOZZ DRN-97DEG DRAIN TO SPARGER	CS-SPARGER	NA	AUG9	AG	BL	VT-1	75	VT-1	NRI	623342	3/19/2003	BWRVIP baseline
N5A-D S4 CAP 267 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623323	3/19/2003	BWRVIP reinspect cycle
N5A-D S4 CAP 93 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	50	EVT-1	NRI	623324	3/19/2003	BWRVIP reinspect cycle
N5B BRKT WELD A	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	100	EVT-1	NRI	623304	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-RPV	WELD BUILD-UP AT		AUG9			VT-3	100	VT-3	NRI	623809	3/18/2003	
N5B BRKT WELD B	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	95	EVT-1	NRI	623305	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-RPV	WELD BUILD-UP AT		AUG9			VT-3	95	VT-3	NRI	623810	3/18/2003	

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N5B BRKT WELD C	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	100	EVT-1	NRI	623306	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-WELD BUILD-UP AT RPV			AUG9			VT-3	100	VT-3	NRI	623811	3/18/2003	
N5B BRKT WELD D	ATTACHMENT WELD	B-N-2	B13.30	AG	XI	EVT-1	100	EVT-1	NRI	623307	3/18/2003	BWRVIP baseline and Code VT-3
CS BRKT-TO-SS OVERLAY-TO-WELD BUILD-UP AT RPV			AUG9			VT-3	100	VT-3	NRI	623812	3/18/2003	
N5B P5 COUPL 352DEG TOP COUPLING SLEEVE	CS-PIPING	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623311	4/1/2003	Previous crack rescheduled per BWRVIP guidelines CR#320829
N5B P8A COUPL 187 DEG COLLAR AT PIPE	CS-PIPING	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623312	4/1/2003	BWRVIP reinspect cycle
N5B P8A COUPL 352 DEG COLLAR AT PIPE	CS-PIPING	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623313	4/1/2003	BWRVIP reinspect cycle
N5B P8B COUPL 187 DEG	CS-PIPING	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623314	4/1/2003	Previous crack location CR#320829
COLLAR TO SHROUD						EVT-1	100	EVT-1	NRI	623314	4/8/2003	
N5B-A S1 T-BOX 352 DEG COVER PLT TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623325	3/19/2003	BWRVIP reinspection cycle
N5B-A S2 LEFT 352 DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623326	3/19/2003	BWRVIP reinspection cycle
N5B-A S2 RIGHT 352 DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	40	EVT-1	NRI	623327	3/19/2003	BWRVIP reinspection cycle
N5B-A S3A NOZZ NOZZLE TO SPARGER PIPE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623343	3/19/2003	BWRVIP baseline
N5B-A S3B NOZZ NOZZLE TO ORIFICE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623344	3/19/2003	BWRVIP baseline
N5B-A S4 CAP 273 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	60	EVT-1	NRI	623328	3/19/2003	BWRVIP reinspect cycle
N5B-A S4 CAP 87 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	50	EVT-1	NRI	623329	3/19/2003	BWRVIP reinspect cycle
N5B-C S1 T-BOX 187 DEG COVER PLT TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	100	EVT-1	NRI	623330	3/19/2003	BWRVIP reinspection cycle

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N5B-C S2 LEFT 187 DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	50	EVT-1	NRI	623331	3/19/2003	BWRVIP reinspection cycle
N5B-C S2 RIGHT 187 DEG SPARGER PIPE TO SPARGER T-BOX	CS-SPARGER	NA	AUG9	AG		EVT-1	50	EVT-1	NRI	623332	3/19/2003	BWRVIP reinspection cycle
N5B-C S3A NOZZ NOZZLE TO SPARGER PIPE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623345	3/19/2003	BWRVIP baseline
N5B-C S3B NOZZ NOZZLE TO ORIFICE	CS-SPARGER	NA	AUG9	AG	BL	VT-1	100	VT-1	NRI	623346	3/19/2003	BWRVIP baseline
N5B-C S4 CAP 267 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	60	EVT-1	NRI	623333	3/19/2003	BWRVIP reinspect cycle
N5B-C S4 CAP 93 DEG SPARGER END CAP	CS-SPARGER	NA	AUG9	AG		EVT-1	50	EVT-1	NRI	623334	3/19/2003	BWRVIP reinspect cycle
RPV HEAD INTERIOR INT SURFACES	UNCLAD AREAS	B-N-1	B13.10	XI		VT-3	100	VT-3	NRI	623579	3/13/2003	Code inspection Light surface corrosion (reddish-brown in color) - denser within first 4-5 feet of head flange and around nozzle openings; minor scattered, surface pitting
SBLC STANDPIPE LOWER PLENUM	SBLC	NA	AUG6	AG		VT-3	50	VT-3	NRI	623590	3/24/2003	Inspect for Aug6 Program only
SHRD HORZ H8	SHROUD	B-N-2	B13.40	XI	AG	VT-3	100	VT-3	NRI	623592	3/29/2003	Inspect from lower plenum for Code
SHRD BAFFLE PLT-TO-SHRD SUPT CYLINDER CIRC WELD			AUG9			EVT-1	100	EVT-1	NRI	623593	3/20/2003	
SHRD HORZ H9 SHRD BAFFLE PLT-TO-RPV (INCLUDES MACHINED WELD BUILD-UP PAD)	SHROUD	B-N-2	B13.40	XI		VT-3	100	VT-3	NRI	623593	3/25/2003	Inspect from lower plenum for Code
SHRD SUP LEG WELD A STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2	B13.30	XI		VT-3	100	VT-3	NRI	623608	3/25/2003	Code inspection
SHRD SUP LEG WELD B STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2	B13.30	XI		VT-3	30	VT-3	NRI	623609	3/25/2003	Code inspection
SHRD SUP LEG WELD C STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2	B13.30	XI		VT-3	25	VT-3	NRI	623610	3/25/2003	Code inspection

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SHRD SUP LEG WELD D STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	50	VT-3	NRI	623611	3/25/2003	Code inspection
SHRD SUP LEG WELD E STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	25	VT-3	NRI	623612	3/25/2003	Code inspection
SHRD SUP LEG WELD F STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	50	VT-3	NRI	623613	3/25/2003	Code inspection
SHRD SUP LEG WELD G STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	25	VT-3	NRI	623614	3/25/2003	Code inspection
SHRD SUP LEG WELD H STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	100	VT-3	NRI	623615	3/25/2003	Code inspection
SHRD SUP LEG WELD J STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	50	VT-3	NRI	623616	3/25/2003	Code inspection
SHRD SUP LEG WELD K STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	80	VT-3	NRI	623617	3/25/2003	Code inspection
SHRD SUP LEG WELD L STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	100	VT-3	NRI	623618	3/25/2003	Code inspection
SHRD SUP LEG WELD M STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	50	VT-3	NRI	623619	3/25/2003	Code inspection
SHRD SUP LEG WELD N STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	50	VT-3	NRI	623620	3/25/2003	Code inspection
SHRD SUP LEG WELD P STUB PAD TO RPV ATTACH WELD	SHROUD SUPPORT	B-N-2 B13.30	XI	VT-3	100	VT-3	NRI	623621	3/25/2003	Code inspection
SHRD VERT H6B/H7 270 SHROUD VERT WELD	SHROUD	B-N-2 B13.40	AG XI	VT-3	100	VT-3	NRI	623778	3/21/2003	

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SHRD VERT H6B/H7 90 SHROUD VERT WELD	SHROUD	B-N-2 B13.40	AG	VT-3	90	VT-3	NRI	623777	3/21/2003	
SHROUD ACCS CVR 0	SHROUD SUPPORT	B-N-2 B13.40	XI AG	VT-3	100	VT-3	NRI	623628	3/31/2003	Code and SIL 462 inspection
0 ACSS HOLE C				VT-1	100	VT-1	NRI	623828	3/31/2003	
SHROUD ACCS CVR 180	SHROUD SUPPORT	B-N-2 B13.40	XI AG	VT-3	100	VT-3	NRI	623629	3/31/2003	Code and SIL 462 inspection
180 ACSS HOLE C				VT-1	100	VT-1	NRI	623629	3/31/2003	
SHROUD FLANGE CORE SUPPORT	SHROUD	B-N-2 B13.40	XI	VT-3	100	VT-3	NRI	623591	3/27/2003	Code inspection / Examine Shroud Flange Suface and Seismic Pins 120 to 360 degree
SHROUD SUP LEG A	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	95	VT-3	NRI	623594	3/25/2003	Code inspection
LOWER PLENUM										
SHROUD SUP LEG B	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	25	VT-3	NRI	623595	3/25/2003	Code inspection
LOWER PLENUM										
SHROUD SUP LEG C	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	30	VT-3	NRI	623596	3/25/2003	Code inspection
LOWER PLENUM										
SHROUD SUP LEG D	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	50	VT-3	NRI	623597	3/25/2003	Code inspection
LOWER PLENUM										
SHROUD SUP LEG E	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	30	VT-3	NRI	623598	3/25/2003	Code inspection
LOWER PLENUM										
SHROUD SUP LEG F	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	25	VT-3	NRI	623599	3/25/2003	Code inspection
LOWER PLENUM										
SHROUD SUP LEG G	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	25	VT-3	NRI	623600	3/25/2003	Code inspection
LOWER PLENUM										
SHROUD SUP LEG H	SHROUD SUPPORT	B-N-2 B13.40	XI	VT-3	95	VT-3	NRI	623601	3/25/2003	Code inspection
LOWER PLENUM										

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SHROUD SUP LEG J LOWER PLENUM	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	40	VT-3	NRI	623602	3/25/2003	Code Inspection
SHROUD SUP LEG K LOWER PLENUM	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	50	VT-3	NRI	623603	3/25/2003	Code Inspection
SHROUD SUP LEG L LOWER PLENUM	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	25	VT-3	NRI	623604	3/25/2003	Code Inspection
SHROUD SUP LEG M LOWER PLENUM	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	50	VT-3	NRI	623605	3/25/2003	Code Inspection
SHROUD SUP LEG N LOWER PLENUM	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	50	VT-3	NRI	623606	3/25/2003	Code Inspection
SHROUD SUP LEG P LOWER PLENUM	SHROUD SUPPORT	B-N-2	B13.40	XI	VT-3	100	VT-3	NRI	623607	3/25/2003	Code Inspection
STUB TUBE 02-19 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	30	VT-3	NRI	623737	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 02-23 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	30	VT-3	NRI	623738	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 02-27 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	30	VT-3	NRI	623739	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 02-31 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	30	VT-3	NRI	623740	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 02-35 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	30	VT-3	NRI	623741	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 02-39 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623742	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 02-43 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	20	VT-3	NRI	623743	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 06-15 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	30	VT-3	NRI	623744	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification

Susquehanna SES In-Vessel Inspection Listing

Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
STUB TUBE 06-47 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623745	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 10-11 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623746	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 10-51 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	35	VT-3	NRI	623747	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 14-07 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	60	VT-3	NRI	623748	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 14-55 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623749	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 18-03 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	60	VT-3	NRI	623750	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 18-59 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	20	VT-3	NRI	623751	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 22-03 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	60	VT-3	NRI	623752	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 22-59 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	30	VT-3	NRI	623753	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 26-03 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	60	VT-3	NRI	623754	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 26-59 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623755	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 30-03 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	40	VT-3	NRI	623756	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 30-59 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	35	VT-3	NRI	623757	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 34-03 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	20	VT-3	NRI	623758	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 34-59 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623759	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification

Susquehanna SES In-Vessel Inspection Listing
Unit 2

Interval: 2
Period: 3
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
STUB TUBE 38-03 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	20	VT-3	NRI	623760	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 38-59 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	50	VT-3	NRI	623761	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 42-03 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	20	VT-3	NRI	623762	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 42-59 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	35	VT-3	NRI	623763	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 46-07 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623764	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 46-55 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	20	VT-3	NRI	623765	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 50-11 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623766	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 50-51 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623767	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 54-15 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623768	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 54-47 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	20	VT-3	NRI	623769	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 58-19 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623770	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 58-23 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623771	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 58-31 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	15	VT-3	NRI	623773	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 58-35 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623774	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification
STUB TUBE 58-39 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI	VT-3	25	VT-3	NRI	623775	3/25/2003	Code inspection / Made accessible by Jet Pump Labyrinth Seal modification

Susquehanna SES In-Vessel Inspection Listing
Unit 2

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ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason		Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
STUB TUBE 58-43 STUB TUBE	LOWER PLENUM	B-N-2	B13.40 B13.30	XI		VT-3	30	VT-3	NRI	623776	3/25/2003	Code Inspection / Made accessible by Jet Pump Labyrinth Seal modification
SURV SPEC BRKT 3A SURV SPECM BRKT-TO-SS WELD BUILD-UP PAD-TO-SS OVERLAY AT RPV	VESSEL ATTACHMENT WELDS	B-N-2	B13.30	XI	AG	VT-3	100	VT-3	NRI	623625	3/31/2003	Code and BWRVIP
SURV SPEC BRKT 3B SURV SPECM BRKT-TO-SS WELD BUILD-UP PAD-TO-SS OVERLAY AT RPV	VESSEL ATTACHMENT WELDS	B-N-2	B13.20	XI	AG	VT-1	100	VT-1	NRI	623626	3/20/2003	Code and BWRVIP
TOP GUIDE 14-31 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623783	4/1/2003	Code inspection only, VT-1 cancelled
TOP GUIDE 18-19 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623784	4/1/2003	Code inspection only, VT-1 cancelled
TOP GUIDE 18-27 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623785	4/1/2003	Code inspection only, VT-1 cancelled
TOP GUIDE 18-35 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623786	4/1/2003	Code inspection only, VT-1 cancelled
TOP GUIDE 18-43 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623634 623787	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 22-23 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623635 623788	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 22-39 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623636 623789	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 26-19 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623637 623790	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 26-43 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623638 623791	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 30-15 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623639 623792	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 30-31 PLATE	TOP GUIDE	B-N-2	B13.40	XI		VT-3 VT-1	50	VT-3	NRI	623640 623793	4/1/2003	Code inspection only, VT-1 canceled

Susquehanna SES In-Vessel Inspection Listing
Unit 2

Interval: 2
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Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
TOP GUIDE 30-47 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623641 623794	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 34-19 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623642 623795	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 34-43 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623643 623796	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 38-23 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623644 623797	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 38-39 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623645 623798	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 42-19 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623646 623799	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 42-27 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623647 623800	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 42-35 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623648 623801	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 42-43 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	50	VT-3	NRI	623649 623802	4/1/2003	Code inspection only, VT-1 canceled
TOP GUIDE 46-31 PLATE	TOP GUIDE	B-N-2	B13.40	XI	VT-3 VT-1	100	VT-3	NRI	623650 623803	4/1/2003	Code inspection only, VT-1 canceled

APPENDIX C
SNUBBER TESTING DETAILED LISTING

APPENDIX C.1

SNUBBER FUNCTIONAL TESTING LISTING

Unit 2 - 11th RIO Snubber Functional Exams - Daily Tracking Log

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo	SZ
DBA201-H006	02168									3
DBA201-H012	19822	375114	S	3/24/2003	058	P			replaced 1 washer	3
DBA201-H015	14417									10
DBA201-H016	19487									3
DBA201-H021	19503									3
DBA201-H029	14411	375120	R	3/24/2003	059	P				10
DBA201-H030	19482									3
DBA202-H007A	09476									35
DBA202-H007B	9494									35
DBA202-H010	03291	462127	EXP	3/28/2003	099	P				35
DBA202-H012	09450									35
DBA205-H006A	18564									1
DBA205-H006B	23395									1
DBA205-H007	01239	462400	EXP	3/29/2003	108	P				10
DBA205-H008	01240	462400	EXP	3/29/2003	107	P				10
DBA205-H011	16325	375121	S	3/26/2003	079	F	14209		CR-462381 Snubber failed functional testing in the acceleration mode. EWR462394 no effect to the piping system.	10
DBA205-H016	00136									.05
DBA205-H017	00137									.05
DBA208-H002	19472									3

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
DBA208-H005	19755								
3									
DBA208-H017	19494								
3									
DBA208-H019	06805								
3									
DBB201-H010A	01153								
35									
DBB201-H010B	01152								
35									
DBB201-H011A	14412	462404	EXP	3/31/2003	128	P			
10									
DBB201-H011B	04121	462404	EXP	3/31/2003	127	P			
10									
DBB201-H017	00220								
3L									
DBB201-H024	02432	375122	R	3/13/2003	029	P			Snubber has clevis and a reduced stroke bottoms out at 1 inch go to 1 1/2"
100									
DBB201-H03A	01309								
35									
DBB201-H03B	01306								
35									
DBB202-H004A	01156								
35									
DBB202-H004B	09485								
35									
DBB202-H010A	02765								
35									
DBB202-H010B	09531								
35									
DBB202-H012A	02575	462563	EXP	3/31/2003	125	P			
10									
DBB202-H012B	13677	462563	EXP	3/31/2003	126	P			
10									
DBB203-H003A	02563								
10									
DBB203-H003B	02568								
10									
DBB203-H009A	01271								
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
DBB203-H009B	01272								
35									
DBB203-H011A	13676								
10									
DBB203-H011B	02562								
10									
DBB203-H016	00274								
3L									
DBB203-H021A	00531	375124	R	3/13/2003	021	P			
100									
DBB203-H021B	01573	375124	R	3/13/2003	028	P			
100									
DBB204-H002A	01278								
35									
DBB204-H002B	01260								
35									
DBB204-H004A	01171								
35									
DBB204-H004B	01166								
35									
DBB204-H007A	14771								
10									
DBB204-H007B	00384								
10									
DBB204-H016	00400	462235	EXP	3/31/2003	121	P			
3L									
DBB204-H017A	01595	375125	R	3/15/2003	034	P			
100									
DBB204-H017B	02397	375125	R	3/15/2003	033	P			
100									
DBB205-H002	01597								
100									
DBB205-H009	03634								
35									
DBB209-H016	19776	462234	EXP	3/31/2003	122	P			
3									
DBB209-H018	14375								
1/2									
DBB209-H021	00134								
.05									
DBB209-H022	00135								
.05									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
DBB214-H025	00118								
.12									
DBB214-H026	00119								
.12									
DBB214-H027	00122								
.12									
DBB214-H028	00138								
.05									
DBB217-H051	12950								
10									
DBB220-H002	03205	461705	EXP	3/28/2003	095	P			
35									
DBB220-H008	05676	375126	S	3/11/2003	004	F	05676		Snubber failed functional testing in the acceleration mode (CR 458496). Wyle tore down cleaned and retested snubber prior to its reinstallation. replaced 2 washers. EWR 458535 no effect on the system.
10									
DBB220-H011	12961	458471	EXP	3/15/2003	039	P			
10									
DBB220-H015	14425								
10									
DBB220-H017	00405								
10L									
DBB220-H052	13667								
10									
DBB220-H053	14408								
10									
DBB222-H068	19540	375128	S	3/20/2003	050	P			
3									
DBD201-H024AA	14762								
10									
DBD201-H024AB	14760								
10									
DBD201-H024BC	14761								
10									
DBD201-H024BD	14763								
10									
DBD201-H027	10725								
35									
DBD201-H032	10694	462960	EXP	3/31/2003	117	P			
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
DBD201-H036A	10697	461709	EXP	3/26/2002	091	P			
35									
DBD201-H036B	01364	461709	EXP	3/26/2003	092	P			
35									
DBD201-H051	09497	462960	EXP	3/31/2003	118	P			Replaced one ext locking ring washer
35									
DBD201-H052	09464	462960	EXP	3/31/2003	116	P			
35									
DBD201-H054A	03375	462960	EXP	3/31/2003	120	P			
35									
DBD201-H054B	10711	462960	EXP	3/31/2003	119	P			Replaced 1 snap ring and 1 locking ring washer
35									
DBD201-H057	09513								
35									
DBD201-H060	09463								
35									
DBD201-H063	09498								
35									
DBD205-H017	09452								
35									
DBD205-H022A	07405								
35									
DBD205-H022B	09471								
35									
DBD205-H023A	14406								
10									
DBD205-H023B	14407								
10									
DCA202-H003	06072	375129	S	3/24/2003	057	F	06073		CR- 461722 Snubber failed functional test in Acceleration mode. EWR 461723 no effect on the piping system.
3									
DCA202-H004B	04569	461725	EXP	3/26/2003	080	F	19477		CR 462229 snubber failed functional testing in the Final running drag mode. EWR 462233 no effect to the piping system. In order to be consistant with Nims and the as built drawing for this hanger this outage is the last time we will show the B position for this snubber as it is no longer a double hanger.
3									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
DCA202-H007	19447	461726	EXP	3/26/2003	081	P			
3									
DCA203-H009	20821								
1									
DCA207-H007	07402								
35									
DCA207-H012	00800								
35									
DCA207-H015	09522								
35									
DCA207-H016	03477								
35									
DCA208-H004	02800	461713	EXP	3/27/2003	084	P			replaced ext locking ring washer
35									
DCA208-H005	07389	461713	EXP	3/27/2003	083	P			Replaced ext locking ring washer
35									
DCA208-H006	03253	340084	S	3/24/2003	051	P			
35									
DCA208-H007	07400	375131	S	3/24/2003	055	F	01348		CR-461683 Snubber failed functional testing in the acceleration mode. EWR 461869 no effect to the piping or pipe support. replaced 1 ext locking ring washer.
35									
DCA210-H010	03777								
35									
DCA210-H019	03203								
35									
DCA210-H020	07535	375132	R	3/24/2003	052	P			this installation has a BP clamp which has pivot pin to pivot pin with a 307 clamp checklist sheet.
35									
DCA210-H021	03758								
35									
DCA210-H026	02758	375133	S	3/26/2003	057	P			
35									
DCA210-H029	01628								
100									
DCA210-H030	03677								
35									
DCA210-H032	01575								
100									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
DCA211-H003	04123	371284	EXP	3/11/2003	010	P			
10									
DCA211-H005	19466	371284	EXP	3/11/2003	011	P			
3									
DCA211-H014	08711								
10									
DCA211-H015	14168								
10									
DCA211-H019	14757								
10									
DCA211-H035	14179	371284	EXP	3/11/2003	009	P			Replaced 2 washers
10									
DCA211-H036	12271								
10									
DLA201-H003	00120	375134	S	3/27/2003	085	P			replaced 4 washers
.12									
DLA202-H002	01572								
100									
DLA202-H011	10685								
35									
DLA202-H012	00922								
35									
DLA202-H014	03680								
35									
DLA202-H08B	02398								
100									
DLA202-H09B	01179								
35									
DLA203-H003	01568	375135	F	3/27/2003	082	P			
100									
DLA204-H005	03216								
35									
DLA204-H008B	01559								To be consistant with Nims and the as built drawing this snubber will no longer be shown to indicate the B position as this is no longer a double hanger.
100									
DLA204-H009A	02560								To be consistant with Nims and the as built drawing this snubber will no longer be shown to indicate the A position as this snubber is no longer a double hanger.
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	achd_memo
SZ									
DLA204-H011	07523								
35									
DLA204-H012	00813								
35									
DLA204-H014	03679								
35									
EBB202-H003	22888								
1/4									
EBB202-H054	20410								
1									
EBB202-H055	20414								
1									
EBB202-H056	20413								
1									
EBD202-H002A	03557								
3									
EBD202-H002B	03558								
3									
EBD202-H007	03168								
10									
EBD202-H008A	09517								
35									
EBD202-H008B	09516								
35									
EBD202-H010	02613	375136	S	3/15/2003	040	P			
35									
EBD202-H012A	03474								
3									
EBD202-H012B	03473								
3									
EBD202-H018A	09501	375137	S	3/12/2003	020	P			indicator tube towards pipe (Top snubber)
35									
EBD202-H018B	09500	375137	S	3/12/2003	019	P			replaced locking washer
35									
EBD202-H020	02581								
35									
EBD202-H022A	06831								
3									
EBD202-H022B	06832								
3									
EBD202-H029	03764								
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo	SZ
EBD202-H030	14200									10
EBD202-H031	02606									35
EBD202-H034	02595									35
EBD202-H035A	08699									10
EBD202-H035B	02196									10
EBD202-H037	02558									35
EBD202-H038	14202	375138	R	3/11/2003	005	P				10
EBD202-H044	03152									10
EBD202-H047	02562									35
EBD202-H048	09523									35
EBD202-H051	02559									35
EBD202-H052A	09507									35
EBD202-H052B	09508									35
EBD202-H054A	02584									35
EBD202-H054B	02590									35
EBD202-H061A	03487									3
EBD202-H061B	03484									3
EBD202-H065A	19495									3
EBD202-H065B	03124									3
EBD202-H066	09499									35
EBD202-H067	19493									3

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
EBD202-H068A	09509								
35									
EBD202-H068B	09510								
35									
EBD209-H001	19473	375139	R	3/11/2003	013	P			
3									
EBD209-H002	17227	375140	R	3/12/2003	016	P			
1									
EBD209-H004A	21541	375141	F	3/12/2003	014	P			
1									
EBD209-H004B	20415	375141	F	3/12/2003	015	P			
1									
EBD210-H002	00392								
3L									
EBD210-H004	25260								
3									
EBD210-H005	19588								
3									
EBD213-H004	25289								
3									
EBD213-H005	25281								
3									
EBD214-H057	14166								
10									
GBB202-H052	14439								
1/2									
GBB204-H003	01340								
35									
GBB204-H021	03690								
35									
GBB204-H082	03190								
35									
GBB204-H083	11023								
35									
GBB204-H089	03153								
10									
GBB204-H093	06966								
35									
GBB204-H095	06958								
35									
GBB204-H101	09447								
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
GBB205-H085A	03691	461714	EXP	3/27/2003	090	P			
35									
GBB205-H085B	03689	461714	EXP	3/27/2003	089	P			
35									
GBB205-H089A	10714								
35									
GBB205-H089B	09487								
35									
GBB206-H018	03250								
35									
GBB206-H051	09444								
35									
GBB207-H027A	12402								
10									
GBB207-H027B	04373								
10									
GBB209-H058A	09529								
35									
GBB209-H058B	09530	Y60171				X			
35									
GBB209-H060A	09527								
35									
GBB209-H060B	09526								
35									
GBB209-H067	03470	375142	S	3/14/2003	030	P			INDICATOR TUBE TOWARDS THE VALVE.
10									
GBB210-H050	20828								
1									
GBB210-H053	20827								
1									
GBB211-H052	02418								
1									
GBB211-H054	21573								
1									
GBB212-H058	19524								
3									
GBB218-H012	19446								
3									
GBC201-H102	03217								
35									
GBC201-H107	03675								
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
GBC201-H115	03268								
35									
GBC201-H116	03277								
35									
GBC201-H119A	03733								
35									
GBC201-H119B	03732								
35									
GBC201-H120	04097								
35									
GBC201-H122	04099	375148	S	3/25/2003	064	P			Replaced one snap ring
35									
GBC201-H125A	10891	375166	S	3/25/2003	069	P			Replaced ext locking ring washer
35									
GBC201-H125B	03649	375166	S	3/25/2003	068	P			Replaced ext locking ring washer
35									
GBC201-H134	03223	375168	S	3/26/2003	074	P			replaced snap ring
35									
GBC201-H137A	03491								
10									
GBC201-H137B	12955								
10									
GBC201-H141	03288	375169	S	3/29/2004	106	P			
35									
GBC201-H143A	03199								
35									
GBC201-H143B	03245								
35									
GBC201-H144	06948								
35									
GBC201-H147	03282								
35									
GBC201-H148	03258								
35									
GBC201-H154	03776								
35									
GBC201-H157	07398								
35									
GBC201-H162	03260								
35									
GBC201-H163	02744								
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo	SZ
GBC201-H165	04122									35
GBC201-H166	03271									35
GBC201-H168	03247									35
GBC201-H180	03254									35
GBC201-H181	03278									35
GBC201-H183	03237									35
GBC201-H187	03632									35
GBC201-H193	03686									35
GBC201-H196	03255									35
GBC201-H197	03662									35
GBC201-H203	10688									35
GBC201-H212	07390									35
GBC201-H217	07397									35
GBC201-H218	03486									35
GBC201-H219A	02681									35
GBC201-H219B	03743									35
GBC201-H220A	03170									35
GBC201-H220B	03174									35
GBC201-H221A	03744									35
GBC201-H221B	01157									35
GBC201-H225	00918									35

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo	SZ
GBC201-H231	03670									35
GBC201-H232	08649									35
GBC201-H233	03476									35
GBC201-H237A	08636									35
GBC201-H237B	08640									35
GBC201-H242	04120									35
GBC201-H247	03687									35
GBC201-H248	03478									35
GBC201-H252	03674									35
GBC201-H253	03671									35
GBC201-H254A	03734									35
GBC201-H254B	03735									35
GBC201-H255	03769									35
GBC201-H262	03688									35
GBC201-H265	07392									35
GBC201-H272	03721									35
GBC201-H273	03191									35
GBC201-H276	03204									35
GBC201-H277A	03215								To be consistant with Nims and the as built drawing this snubber will no longer be shown to indicate the A position as it is no longer a double hanger.	35

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
GBC201-H281	03723								
35									
GBC201-H301	14214	462565	EXP	3/29/2003	109	P			
10									
GBC201-H318A	14213	461874	EXP	3/27/2003	087	P			
10									
GBC201-H318B	14212	461874	EXP	3/27/2003	088	P			
10									
GBC201-H332	09519								
35									
GBC201-H336	02508	461871	EXP	3/27/2003	086	F	14184		CR-462558 Snubber failed functional testing in the accoceleration mode. EWR 462561 no effect to the piping system.
10									
GBC201-H338	02073	375172	S	3/25/2003	061	F	02598		CR-461854 Snubber failed functional testing in the acceleration mode. EWR 461869 no effect to the piping system.
10									
GBC201-H342	09468								
35									
GBC205-H052A	14423								
10									
GBC205-H052B	14424								
10									
GBD222-H005	14198								
10									
HBB201-H003	10706	375174	S	3/10/2003	001	P			replaced locking washer
35									
HBB201-H005	19545								
3									
HBB204-H051	14414	375176	S	3/18/2003	044	P			
10									
HBB208-H003	09443	375191	S	3/10/2003	008	P			
35									
HBC217-H011	14422								
10									
HBD201-H001	03669								
35									
HBD201-H003	06840								
3									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
HBD201-H004	06834								
3									
HBD201-H005	06835	375194	S	3/13/2003	024	P			
3									
HBD201-H006	14426								
10									
HBD201-H008	01503								
35									
HBD201-H010A	12952								
10									
HBD201-H010B	04258								
10									
HBD201-H011	19546	375195	S	3/12/2003	017	P			EXTENSION TOWARD PIPE
3									
HBD201-H012A	03137								
3									
HBD201-H012B	02116								
3									
HBD201-H016A	13680	375197	S	3/13/2003	025	P			
10									
HBD201-H016B	14194	375197	S	3/13/2003	026	P			Replaced 1 snap ring
10									
HBD201-H017	19508								
3									
HBD201-H018	20411								
1									
HBD201-H020	09536								
35									
HBD203-H001A	04260								
10									
HBD203-H001B	04259								
10									
HBD203-H003A	04996								
1									
HBD203-H003B	17226								
1									
HBD203-H004A	01599	375198	S	3/13/2003	027	P			
100									
HBD203-H004B	01570	375198	R	3/12/2003	018	P			
100									
HBD203-H006A	04572								
10									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
HBD203-H006B	04571								
10									
HBD203-H008A	00239	375208	S	3/13/2003	022	D	17221		Snubber was replaced due to high running drag. Snubber will be scrapped after tear down. Replaced one red washer.
1									
HBD203-H008B	23387	375208	R	3/13/2003	023	P			
1									
HBD203-H009AA	10892								
35									
HBD203-H009AB	10893								
35									
HBD203-H009BC	01567								
100									
HBD203-H011A	04574								
10									
HBD203-H011B	04576								
10									
HBD203-H013A	12202								
1									
HBD203-H013B	04989								
1									
HCB203-H053A	08651	461716	EXP	3/28/2003	094	P			
35									
HCB203-H053B	08652	461716	EXP	3/28/2003	093	P			
35									
HCC203-H056	20832								
1									
HCC206-H006	14431	375212	S	3/14/2003	032	P			INDICATOR TUBE TOWARDS THE PIPE.
10									
HCC206-H010A	19840								
3									
HCC206-H010B	19806								
3									
HRC224-H080	20794								
1									
HRC228-H030	02868								
1									
MSL200-H001	09528	375214	R	3/17/2003	043	P			tapered pin used instead of load stud
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
MSL200-H002	03747	375215	R	3/11/2003	012	P			replaced locking washer
35									
MSL200-H003	00882	375216	R	3/15/2003	036	P			replaced locking washer
35									
MSL200-H007	01301	375218	R	3/15/2003	035	P			
35									
MSL200-H009A	09483	375219	R	3/10/2003	002	P			Replaced kotter pin and 1 washer. Eye rod end may need replacing can't staked bushing in anymore.
35									
MSL200-H009B	08610	375219	R	3/10/2003	003	P			
35									
MSL200-H010A	09445	375220	R	3/15/2004	037	P			replaced locking washer and snap ring
35									
MSL200-H010B	03672	375220	R	3/15/2003	038	P			
35									
MSL200-H011A	03750	375221	R	3/17/2003	041	P			replaced locking washer and indicator screw
35									
MSL200-H011B	03751	375221	R	3/17/2003	042	F	01535		CR 459810 snubber failed functional test.replaced with functionally tested snubber and replaced ext locking ring washer. EWR459833 no effect to the system.
35									
MST222-H011	03479								
35									
MST222-H012	03274								
35									
MST222-H016	03284								
35									
MST222-H017	01601								
100									
MST222-H019	03249								
35									
MST222-H020	03275								
35									
MST222-H022	01577								
100									
MST222-H024	02679								
35									
MST222-H027	03286	375228	S	3/25/2003	070	P			
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
MST222-H029	03663								
35									
MST222-H030	07393								
35									
MST222-H031	06947								
35									
MST222-H032	03714								
35									
MST222-H035	03272	375230	S	3/26/2003	054	P			replaced ext locking ring washer
35									
MST222-H036A	03209								
35									
MST222-H036B	03212								
35									
MST222-H037	01563								
100									
MST222-H038	02431	375232	S	3/25/2003	062	P			
100									
MST222-H039	07385	375235	S	3/25/2003	063	P			Rreplaced spherical bushing
35									
MST222-H041	03489								
35									
MST222-H042A	08621								
35									
MST222-H042B	01184								
35									
MST222-H044	03473	375237	S	3/25/2003	065	P			
35									
MST222-H047	02659								
35									
MST222-H048	01565								
100									
MST222-H049	03364								
35									
MST222-H050	02847								
35									
RWS200-H012	03492	462125	EXP	3/28/2003	096	P			
35									
RWS200-H014	07526	462126	EXP	3/28/2003	097	P			
35									
RWS200-H025A	03772	462125	EXP	3/29/2003	102	P			
35									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
RWS200-H025B	03771	462125	EXP	3/29/2003	100	P			
35									
RWS200-H026A	01532	462956	EXP	3/31/2003	115	P			
35									
RWS200-H026B	03774	462956	EXP	3/30/2003	114	P			
35									
RWS200-H029	03708	462125	EXP	3/29/2003	101	P			
35									
RWS200-H030	03719	462125	EXP	3/29/2003	103	F	08630		CR-462947 Snubber failed functional testing in the acceleration mode and locked up. EWR 462948 no effect to the piping system.
35									
RWS200-H031	03710	462956	EXP	3/30/2003	112	P			Replaced one load stud and two heavy hex nutsdamaged during removal
35									
RWS200-H032	03713	462956	EXP	3/30/2003	113	P			
35									
RWS200-H033	12629	462125	EXP	3/29/2003	105	P			
35									
RWS200-H034	07387	375240	S	3/24/2003	053	P			replaced 1 locking ring washer
35									
RWS200-H035	03717	375259	S	3/29/2003	104	P			
35									
RWS200-H036	03715	375260	S	3/25/2003	066	P	01368		Snubber replaced due to end cap and adapter nut not able to be torqued.
35									
RWS200-H038	09454	462126	EXP	3/28/2003	098	P			
35									
RWS200-H040	03208	375261	S	3/26/2003	073	F	08629		CR-462114 Snubber failed functional testing in the final running drag mode. EWR 462124 no effect to the piping system.
35									
RWS200-H041	00571	375262	S	3/26/2003	075	P			
100									
RWS200-H042	01797								
100									
RWS200-H044	02427								
100									
RWS200-H046	00632								
100									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
RWS200-H047	02399								
100									
RWS200-H049	01262								
100									
SPDBA205-H3001	23620								
1/4									
SPDBA208-H0001	14466	375264	S	3/26/2003	078	P			
1/2									
SPDBA212-H2602	19843								
3									
SPDBA212-H2609	20854								
1									
SPDBA212-H2616	20846								
1									
SPDBA212-H2638	20857								
1									
SPDBA212-H2650	20860								
1									
SPDBB208-H0013	14332	406052	R	3/19/2003	047	P			modification 352976 removing snubber AR 344492
1/4									
SPDBB208-H0017	09937	406052		3/19/2003	046	F			Modification 352976 removed snubber from field. CR 460390 Snubber failed final running drag mode. EWR 460391 No effect to the system.
1/2									
SPDBB208-H0087	14462	406052		3/19/2003	049	P			Modification 352976 removing snubber from field reference AR 344492
1/2									
SPDBB208-H0088	20824	406052		3/19/2003	048	P			Modification 352976 removing snubber from field reference AR 344492
1									
SPDBB208-H0089	09922	406052		3/19/2003	045	P			Modification 352976 removing snubber from field reference AR 344492
1/2									
SPDBB221-H5006A	21546	463062	EXP	3/31/2003	123	P			
1									
SPDBB221-H5006B	21545	463062	EXP	3/31/2003	124	P			
1									
SPDBB221-H5012	18579								
1									

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SPDBB221-H5013 1	18567								
SPDCA202-H0010 3	19479	375266	F	3/25/2003	071	P			
SPDCA202-H0020 1	21560	375267	S	3/24/2003	056	P			
SPDCA202-H0021 3	19837								
SPDCA202-H0022 3	06573	375268	S	3/25/2003	072	P			
SPDCA202-H0023 1	11128	462207	EXP	3/29/2003	111	F	20806		CR-463057 snubber failed functional testing in the acceleration mode. EWR 463061 no effect to the piping system.
SPDCA202-H2600 1	18830	462207	EXP	3/29/2003	110	D	18804		Snubber replaced due to degraded test results
SPDCA202-H2602 1	18569	375269	S	3/26/2003	076	F	20814		CR-461299 Snubber failed functional testing in Breakaway Drag, Acceleration and Running Drag modes. EWR 462203 no effect to the piping system.
SPDCA210-H5006A 1	18562	375271	F	3/24/2003	060	P			To be consistant with Nims and the as built drawing this snubber will no longer be shown to indicate the A position as it is no longer a double hanger.
SPDCA229-H3002 1/4	28812								
SPDCA229-H3004 1/4	21095	375272	S	3/26/2003	077	P			
SPDCA229-H3005 1/4	23627								
SPDCA233-H3005 1/4	16369								
SPDCA233-H3008 1/2	14437								
SPDCA243-H5001A 1	21557								
SPDCA243-H5001B 1	00242								

ID	S/N	WO	Origin	Test Date	Test Num	Results	Repl S/N	Comments	schd_memo
SZ									
SPDCA245-H2608A	21531								
1									
SPDCA245-H2608B	21530								
1									
SPDCA245-H2615	19750								
3									
SPDCA245-H5001	19367	375273	F	3/11/2003	006	P			This as left cold setting is acceptable per ME-2RF-101
3									
SPDCA245-H5016	20792								
1									
SPGBB222-H5008	20822								
1									
SPGBB222-H5011	21544	375274	S	3/14/2003	031	P			INDICATOR TUBE TOWARDS THE VALVE.
1									
SPHBB208-H5004	14405								
1/2									
SPHBB208-H5008	13404								
1/2									
SPHBB251-H5005	06314								
1/4									
SPHCB226-H5027	21553	375275	S	3/11/2003	007	P			
1									

APPENDIX C.2
SNUBBER VISUAL TESTING LISTING

There were no Visual Inspections required by the Technical Requirement Manual TRS 3.7.8.1 for Unit 2 – 11th RIO.

APPENDIX D

ASME REPAIRS AND REPLACEMENTS
NIS-2 FORMS

APPENDIX D.1

MECHANICAL MAINTENANCE

NIS-2 FORMS

UNIT 2 ELEVENTH REFUELING AND INSPECTION OUTAGE MAINTENANCE CODE REPAIR AND REPLACEMENT

1.0 INTRODUCTION

This summary identifies the work performed on ASME Section XI, Classes 1, 2, 3, and MC items for which Maintenance has NIS-2 responsibility reported in Section 3.1. Nation Board Inspection Code Repair items for which Maintenance has R-1 responsibility is also included in Section 4.0. The majority of this work was performed during the Unit 2 Eleventh Refueling and Inspection Outage.

2.0 CODE COMPLIANCE SUMMARY

All work on ASME Section XI, classes 1, 2, 3 and MC, meets the requirements of IWA-4000 (Repair Procedures) and IWA-7000 (Replacements) of ASME Section XI, 1989 Edition, No Addenda. All work on containment meets the requirements of IWA-4000 and IWA-7000 of ASME Section XI, 1992 Edition through 1992 Addenda of IWE and IWL.

3.0 REPAIR AND REPLACEMENT SUMMARY

Work in this category is comprised of Work Authorization of Section XI Repairs and Replacements.

3.1 SECTION XI REPAIRS AND REPLACEMENTS

WA/WO No	522 FORM NO.	DESCRIPTION OF WORK
		SYSTEM NO. 216A, ASME CLASS III
358491	03-216-001	PSV21213A, Replacement of valve disc and base
358502	03-216-002	PSV21213B, Replacement of valve disc
358499	03-216-003	PSV20112A, Lapped Valve disc and machined valve base
358486	03-216-005	SPHRC235-2, Replacement of ½" diameter bolting
		SYSTEM NO. 234D, ASME CLASS III
413831	02-234-005	2E231A, Repaired heat exchanger by welding
413832	02-234-006	2E231C, Repaired heat exchanger by welding and Replacement of flex hose
380569	02-234-010	2E231D, Repaired heat exchanger by welding

SYSTEM NO. 234F, ASME CLASS III

282716	01-234-007	2E228A, Repaired heat exchanger by welding
282716	01-234-008	2E228A, Repaired heat exchanger by welding
282714	01-234-001	2E228B, Repaired heat exchanger by welding and Replacement of Flex Hose

SYSTEM NO. 234G, ASME CLASS III

434729	02-234-013	2E230A, Repaired heat exchanger by welding
385890	02-234-003	2E230B, Repaired heat exchanger by welding
434731	02-234-012	2E230C, Repaired heat exchanger by welding and Replacement of Flex Hoses
385887	02-234-004	2E230D, Repaired heat exchanger by welding

SYSTEM NO. 234U, ASME CLASS III

301158	02-234-009	HV27203B, Repaired valve body flange by welding
301157	02-234-007	SPHRC223-12, Replaced socket weld flange, replacement by welding

SYSTEM NO. 235B, ASME CLASS III

282365	01-235-001	253009C, Replaced valve, Replacement by welding

SYSTEM NO. 245A, ASME CLASS II

352774	02-245-002	HV241F032B, Replaced valve bonnet plug, Repaired bonnet
352774	01-245-002	HV241F023B, Soft seat retainer tack welds to valve disc.

SYSTEM NO. 249A, ASME CLASS II

326172	01-249-017	SPHBC239-3, SPHBC240-3, Replaced ½" diameter bolting

SYSTEM NO. 249B, ASME CLASS II

358486	03-249-003	2E205B, Replaced heat exchanger 1-3/8" diameter bolting.

SYSTEM NO. 249D, ASME CLASS II

459204	03-249-004	GBB217-1, Repaired FW-13 and FW-15, ISI –UT Exam Surface Prep

SYSTEM NO. 249G, ASME CLASS I

440099	03-249-002	HV251F122B, Replaced valve plug/stem assembly
439023	03-249-006	HV251F050B, Replaced valve disc and machined replacement disc
462143	03-249-007	SPDCA208-H5001, Replaced SPD clip Replacement by welding

SYSTEM NO. 250A, ASME CLASS II

397209	02-250-002	2P203, Repaired pump by welding

SYSTEM NO. 250B, ASME CLASS II

359128	02-250-001	PSE2D001, PSE2D002, Replaced Rupture Disc and Vacuum Support
422093	02-250-003	249F040, Repaired valve disc by mechanical means
459488	03-250-002	DBB209-1, Repaired FW10 & FW 11, ISI UT Exam surface preparation

SYSTEM NO. 251A, ASME CLASS II

410801	02-251-001	252001, Replaced valve stem/disc assembly

SYSTEM NO. 253A, ASME CLASS II

326724	02-253-001	248F033B, Replaced valve, Replacement by welding SPDCB201-3, Replaced piping, Replacement by welding
V93219	02-253-002	2P208A, Replaced Pump Plunger
V93218	02-253-003	2P208B, Replaced Pump Plunger
102418	02-253-004	2P208A, Replaced Pump Plunger
359144	02-253-007	248F004A, Replaced inlet fitting and trigger assembly
359146	02-253-008	248F004B, Replaced inlet fitting and trigger assembly
463642	03-253-002	SPDCB201-H61, Replaced SPD Clip, Replacement by welding

SYSTEM NO. 255B, ASME CLASS II

359208	02-255-005	247102-3059, Replaced valve gate
359209	02-255-006	247102-3459, Replaced valve gate
430594	02-255-008	2S239-3403, Replaced piston accumulator
431414	02-255-009	2S239-3451, Replaced piston accumulator
430057	02-255-010	2S239-1023, Replaced piston accumulator
377198	03-255-002	247112-2607, Replaced valve gate 247112-2635, Replaced valve gate 247112-4215, Replaced valve gate 247112-4607, Replaced valve gate 247112-5435, Replaced valve gate 247112-5819, Replaced valve gate 247112-1035, Replaced valve gate 247112-1839, Replaced valve gate 247112-2259, Replaced valve gate
462619	03-255-003	247101-2607, Replaced valve gate

SYSTEM NO. 259A, ASME CLASS MC

371228	03-259-001	X-1, Replaced Equipment hatch Eyebolt & Nut Locations 1 & 14

SYSTEM NO. 261A, ASME CLASS III

317006	01-261-002	245044A & 245045A, Replaced valves and associated pipe sections
317022	01-261-003	245044B & 245045B, Replaced valves and associated pipe sections
313269	01-261-004	HV24507B, Replaced valve, bonnet bolting, and associated pipe sections
233545	01-261-005	FV24566A, Replaced valve leakoff port plug
344026	02-261-002	HV244F033, Replaced valve plug
435124	02-261-006	2F203B, Weld Repair head flange and machine flange face

SYSTEM NO. 261B, ASME CLASS III

194065	01-261-001	2P221B, Replace proximity probes with pipe plugs
359925	02-261-001	2P221B, Replaced pump with rotational spare
385693	02-261-005	2P221A, Replaced pump with rotational spare

SYSTEM NO. 262A, ASME CLASS I

359498	03-262-001	2CRD46-07, Replaced control rod drive & bolting
359477	03-262-002	2CRD42-59, Replaced control rod drive & bolting
359494	03-262-003	2CRD42-15, Replaced control rod drive & bolting
359495	03-262-004	2CRD18-59, Replaced control rod drive & bolting
359496	03-262-005	2CRD42-03, Replaced control rod drive & bolting
359487	03-262-006	2CRD30-03, Replaced control rod drive & bolting
359490	03-262-007	2CRD50-51, Replaced control rod drive & bolting
359476	03-262-008	2CRD34-03, Replaced control rod drive & bolting
359491	03-262-009	2CRD26-07, Replaced control rod drive & bolting
359493	03-262-010	2CRD06-15, Replaced control rod drive & bolting
359499	03-262-011	2CRD22-59, Replaced control rod drive & bolting
359502	03-262-012	2CRD26-35, Replaced control rod drive & bolting
359484	03-262-013	2CRD58-19, Replaced control rod drive & bolting
358629	03-262-014	2CRD18-31, Replaced control rod drive & bolting
359471	03-262-015	2CRD54-43, Replaced control rod drive & bolting
359486	03-262-016	2CRD54-35, Replaced control rod drive & bolting
352253	03-262-017	2CRD10-15, Replaced control rod drive & bolting
229947	03-262-018	2CRD10-35, Replaced control rod drive & bolting
229955	03-262-019	2CRD14-27, Replaced control rod drive & bolting
229969	03-262-020	2CRD34-07, Replaced control rod drive & bolting
229975	03-262-021	2CRD26-55, Replaced control rod drive & bolting
229976	03-262-022	2CRD46-11, Replaced control rod drive & bolting
294632	03-262-023	2CRD18-39, Replaced control rod drive & bolting
359485	03-262-024	2CRD06-43, Replaced control rod drive & bolting
386607	03-262-025	HV241F028D, Replaced step-studs & machined flat top on studs for UT exam
371373	02-262-002	MSRV SN N63790-00-0022, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0128, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0130, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0027, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0020, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0019, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0133, Refurbish and implement Flexidisc Modification
371373	02-262-002	MSRV SN N63790-00-0112, Refurbish and implement Flexidisc Modification
339504	03-262-026	PSV-241F013B, Replace relief valve, Replace inlet nuts with Superbolts
375811	03-262-027	PSV-241F013D, Replace relief valve, Replace inlet nuts with Superbolts
339500	03-262-028	PSV-241F013F, Replace relief valve, Replace inlet nuts with Superbolts

339505	03-262-029	PSV-241F013H, Replace relief valve, Replace inlet nuts with Superbolts
339507	03-262-030	PSV-241F013K, Replace relief valve, Replace inlet nuts with Superbolts
339508	03-262-031	PSV-241F013L, Replace relief valve, Replace inlet nuts with Superbolts
339499	03-262-032	PSV-241F013N, Replace relief valve, Replace inlet nuts with Superbolts
339506	03-262-033	PSV-241F013R, Replace relief valve, Replace inlet nuts with Superbolts
405579	03-262-034	2S401, Remove metallurgical samples from Core Shroud & Top Guide
371290	03-262-035	DBA212-1, Replace flange bolting at Location M1
371290	03-262-035	DCA211-3, Replace flange bolting at Locations M1 & M2
298723	03-262-037	16-21 & 24-49, Replace In-Core Dry Tubes

SYSTEM NO. 264B, ASME CLASS I

325295	02-264-002	2P401A, Remove previously installed Accelerometer Mounting Block
325301	02-264-003	2P401B, Remove previously installed Accelerometer Mounting Block
403467	03-264-004	DCA241-1, VRRB31-3, & VRRB31-4, Replaced Chem Decon flange bolting

SYSTEM NO. 273A, ASME CLASS II

319789	01-273-001	SV25776A, Replaced disc and includes body to bonnet tack weld
319267	01-273-002	SV257103B, Replace disc and bonnet
319267	01-273-002	SPHCB261-1, Replaced pipe section

SYSTEM NO. 283A, ASME CLASS I

459732	03-283-007	HV241F016, Replace valve disc and machine new disc
385099	02-183-009	SPDBA116-1, Removed indications by grinding

SYSTEM NO. 283A, ASME CLASS II

427855	02-283-004	241010A, 241011A, SPDBB202-5, Replace vent valve and pipe assembly
394450	02-283-010	
427855	02-283-004	241010B, 241011B, SPDBB201-4, Replace vent valve and pipe assembly
394450	02-283-011	
396213	02-283-001	241010C, 241011C, SPDBB204-4, Replace vent valve and pipe assembly
394450	02-283-002	
394450	02-283-003	241010D, 241011D, SPDBB203-4, Replace vent valve and pipe assembly
427874	02-283-009	LSH20112D-VNT, Replace stem/disc assembly and backseat bushing
335712	03-283-002	1RV-PSL2N051C, Replace valve
461013	03-283-004	HV20112A1 & HV20112B1, Replaced valve body

SYSTEM NO. 283B, ASME CLASS III

270207	01-283-003	SPHCC236-4, Replace piping section
417675	02-283-003	SPHCC236-H5011, H5012, H5015, H5016, H5017, H5018, H5019, & H5021, Replaced SPD clips
417675	02-283-003	SPHCC236-8, Replaced bolting

SYSTEM NO. 283D, ASME CLASS III

339507	03-262-036	GBC201-13, Replaced bolting at flange location M-2

SYSTEM NO. 283F, ASME CLASS I

318565	02-283-007	XV241F071A, Replaced Excess Flow Check Valve, Replacement by welding

4.0 REPAIR SUMMARY

Work in this category is comprised of Section VIII Repairs and Replacements in accordance with National Board Inspection Code.

4.1 NATIONAL INSPECTION BOARD CODE SECTION VIII REPAIRS

W.A. NO.	522 FORM NO.	DISCRIPTION OF WORK

WORK THAT REQUIRES REPORTING, HAS NOT BEEN PERFORMED DURING THIS REPORTING PERIOD.

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

1. Owner PPL SUSQUEHANNA, LLC (Name) — Date 13-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (Name) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (Name) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SERVICE WATER 216A-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE DISC	CROSBY	N91855-49-0098	N/A	PSV21213A	1996	REPLACED	YES
2. VALVE DISC	AG/CROSBY	N91855-57-0117	N/A	PSV12113A	2002	REPLACEMENT	YES
3. VALVE BASE	GE	32-0012	N/A	PSV12113A	1983	REPLACED	YES
4. VALVE BASE	AG/CROSBY	N91854-40-0023	N/A	PSV21213A	2000	REPLACEMENT	YES
5. VALVE DISC	CROSBY	N91854-33-0015	N/A	PSV21213B	1984	REPLACED	YES
6. VALVE DISC	AG/CROSBY	N91854-54-0110	N/A	PSV21213B	2001	REPLACEMENT	YES
7. VALVE	LONERGAN	510138-2-22-1	N/A	PSV21212A	1982	REPAIRED	NO

7. Description of Work SEE PAGE 3OF 3

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 3 OF 3
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach Date APRIL 28 , 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 1-28-03 to 3-24-03, 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.

William R. Rogers III Commissions NB7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 21 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SERVICE WATER 216A-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. SMALL PIPE BOLTING (NUTS)	BECHTEL	N/A	N/A	SPHRC235-2	1983	REPLACED	YES
9. SMALL PIPE BOLTING (NUTS)	PPL	HEAT F310	N/A	SPHRC235-2	2002	REPLACEMENT	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 13-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RHR SERVICE WATER 216A-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, 3, & 4	03-216-001 358491	REPLACE VALVE DISC AND BASE	1974 Ed S 75 Ad	NONE	SE-216-301 VT-2 ISI-03-269	85 PSIG	48 °F
5 & 6	03-216-002 358502	REPLACE VALVE DISC	1974 Ed S 75 Ad	NONE	SE-216-301 VT-2 ISI-03-344	80 PSIG	47 °F
7	03-216-003 358499	LAPPED DISC & MACHINED NOZZLE	1974 Ed W 74 Ad	NONE	NONE	N/A	N/A
8 & 9	03-216-005 358486	REPLACE ½"-13 SA194 GR 2H NUTS	1989 Ed	NONE	NONE	N/A	N/A

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)
2. Manufactured for PPL SERVICES CORP.
(Name and Address of Purchaser or Owner)
3. Location of Installation PPL SUSQUEHANNA
(Name and Address)
4. Type DS-C-60597 REV. E (drawing no.) | ASME SB164 CL. A (mat'l. spec. no.) | 70,000 (tensile strength) | – (CRN) | 2002 (year built)
5. ASME Code, Section III, Division 1: 1974 (edition) | SUMMER 1975 (addenda date) | 2 (class) | – (Code Case No.)
6. Fabricated in accordance with Const. Spec: (Div. 2 only) – (no.) Revision – Date –
7. Remarks
8. Nom. thickness (in.) – Min. design thickness (in.) – Dia. ID (ft & in.) – Length overall (ft & in.) –
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	N91855-57-0117	–	(26)		
(2)			(27)		
(3)			(28)		
(4)			(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure – psi. Temp. – ° F Hydro. test pressure 750 (when applicable) at temp. 70 ° F

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

This form (200040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

Form N-2 (Back)

Q.C.-392
Sheet 2 of 2

Certificate Holder's Serial No. N91855-57-0117

CERTIFICATE OF DESIGN

Design specifications certified by ARTHUR R. SCHICK (when applicable) P.E. State CA Reg. no. 13898

Design report* certified by – (when applicable) P.E. State _____ Reg. no. –

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Disc conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2004

Date 31st January 03 Signed Anderson Greenwood Crosby Wrentham, MA (NPT Certificate Holder) by _____ (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Report on January 30, 20 03 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 1-30, 20 03.

Signed _____ (Authorized Inspector) Commissions MA-1418 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

For Information Only

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)

2. Manufactured for PENNSYLVANIA POWER & LIGHT
(Name and Address of Purchaser or Owner)

3. Location of Installation SUSQUEHANNA SES STOREROOM
(Name and Address)

4. Type DS-C-60598 REV.E (drawing no.) | SB164 CL.A (mat'l. spec. no.) | 80,000 (tensile strength) | -- (CRN) | 2000 (year built)

5. ASME Code, Section III, Division 1: 1974 (edition) | SUMMER 1975 (addenda date) | 3 (class) | -- (Code Case No.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- (no.) Revision -- Date --

7. Remarks

8. Nom. thickness (in.) -- Min. design thickness (in.) -- Dia. ID (ft & in.) -- Length overall (ft & in.) --

9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	N91854-40-0023	---	(26)		
(2)			(27)		
(3)			(28)		
(4)			(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure -- psi. Temp. -- ° F Hydro. test pressure 675 at temp. 70 ° F
(when applicable)

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

For Information Only

Form N-2 (Back)

Q.C.-392
Sheet 2 of 2

Certificate Holder's Serial No. N91854-40-0023

CERTIFICATE OF DESIGN

Design specifications certified by ARTHUR R. SCHICK (when applicable) P.E. State CA Reg. no. 13898

Design report* certified by _____ (when applicable) P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Base conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001

Date 9/22/00 Signed Anderson Greenwood Crosby Wrentham, MA (NPT Certificate Holder) by _____ (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Report on September 22, 20 00 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 09-22, 20 00.

Signed _____ (Authorized Inspector) Commissions MA-1418 N (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)

2. Manufactured for PENNSYLVANIA POWER & LIGHT
(Name and Address of Purchaser or Owner)

3. Location of Installation SUSQUEHANNA SES STOREROOM
(Name and Address)

4. Type DS-C-60597 REV.E (drawing no.) SB164 CL.A (mat'l. spec. no.) 87,000 (tensile strength) -- (CRN) 2001 (year built)

5. ASME Code, Section III, Division 1: 1974 (edition) SUMMER 1975 (addenda date) 2 (class) --- (Code Case No.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- (no.) Revision -- Date --

7. Remarks

8. Nom. thickness (in.) -- Min. design thickness (in.) -- Dia. ID (ft & in.) -- Length overall (ft & in.) --

9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	N91855-54-0109	---	(26)		
(2)	N91855-54-0110	---	(27)		
(3)	N91855-54-0111	---	(28)		
(4)			(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure -- psi. Temp. -- ° F Hydro. test pressure 750 (when applicable) at temp. 70 ° F

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

For Information Only

Form N-2 (Back)

Q.C.-392
Sheet 2 of 2

Certificate Holder's Serial No. N91855-54-0109

CERTIFICATE OF DESIGN

Design specifications certified by AUTHUR R. SCHICK (when applicable) P.E. State CA Reg. no. 13898

Design report* certified by _____ (when applicable) P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Discs conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001

Date 28-MAR-01 Signed Anderson Greenwood Crosby Wrentham, MA (NPT Certificate Holder) by D. E. Tatch (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Report on March 28, 20 01 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 3-28, 20 01.

Signed _____ (Authorized Inspector) Commissions MA-1418 N (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 17-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CORE SPRAY PUMP ROOM COOLING 234D-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. ROOM COOLER (UPPER COIL)	AEROFIN	900640	N/A	2E231A	1990	REPAIRED	YES
2. ROOM COOLER (LOWER COIL)	AEROFIN	900643	N/A	2E231C	1990	REPAIRED	YES
3. FLEX HOSE (UP COIL UP HOSE)	ANAMET	002	N/A	2E231C	1996	REPLACED	NO
4. FLEX HOSE (UP COIL UP HOSE)	ANAMET	1204985312 7801-001	N/A	2E231C	1999	REPLACEMENT	NO
5. ROOM COOLER (UPPER COIL)	AEROFIN	900646	N/A	2E231D	1990	REPAIRED	YES

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach (Owner or Owner's Designee, Title Welding Engineer) Date APRIL 28 , 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 8-16-02 to 1-17-03, 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.

William R. Rogers III (Inspector's Signature) Commissions NB7980 A,N,I,B,NS PA2204 (National Board, State, Province, and Endorsements)

Date MAY 21 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 17-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System CORE SPRAY PUMP ROOM COOLING 234D-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1	02-234-005 413831	REPAIR UPPER COIL RETURN END	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-03-015	130 PSIG	35 °F
2	02-234-006 413832	REPAIR BOTTOM COIL SUPPLY END	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-03-015	130 PSIG	35 °F
3 & 4	02-234-006 413832	REPLACE UPPER COIL UPPER HOSE	ANSI B31.1	NONE	SE-000-017 VT-2 ISI-03-015	130 PSIG	35 °F
5	02-234-010 380569	REPAIR UPPER COIL RETURN END	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-03-028	128 PSIG	34 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 18-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RCIC PUMP ROOM COOLING 234F-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. ROOM COOLER	AEROFIN	900610	N/A	2E228A	1990	REPAIRED	YES
2. ROOM COOLER	AEROFIN	900611	N/A	2E228B	1990	REPAIRED	YES
3. FLEX HOSE (LOWER HOSE)	ANAMET	1204985310 30-01-003	N/A	2E228B	1999	REPLACED	NO
4. FLEX HOSE (LOWER HOSE)	ANAMET	1204985310 30-01-005	N/A	2E228B	1999	REPLACEMENT	NO

7. Description of Work SEE PAGE 2 OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed C B Gerlach Date APRIL 28, 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 2-27-01 to 6-5-01, 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.

William R. Rogers III Commissions NB7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 21 20 03

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 18-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RCIC PUMP ROOM COOLING 234F-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1	01-234-007 01-234-008 282716	REPAIR COIL SUPPLY & RETURN ENDS	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-01-775	96 PSIG	65 °F
2	01-234-001 282714	REPAIR COIL END	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-01-765	125PSIG	65 °F
3 & 4	01-234-001 282714	REPLACE LOWER FLEX HOSE	ANSI B31.1	NONE	SE-000-017 VT-2 ISI-01-765	125 PSIG	65 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 19-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR PUMP ROOM ROOM COOLING 234G-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. ROOM COOLER (UPPER COIL)	AEROFIN	900624	N/A	2E230A	1990	REPAIRED	YES
2. ROOM COOLER (LOWER COIL)	AEROFIN	900625	N/A	2E230A	1990	REPAIRED	YES
3. ROOM COOLER (LOWER COIL)	AEROFIN	900629	N/A	2E230B	1990	REPAIRED	YES
4. ROOM COOLER (LOWER COIL)	AEROFIN	900627	N/A	2E230C	1990	REPAIRED	YES
5. FLEX HOSE (UP COIL BOT HOSE)	ANAMET	105144 / BWL21-1	N/A	2E230C	1987	REPLACED	NO
6. FLEX HOSE (UP COIL BOT HOSE)	ANAMET	121097C528 82-003	N/A	2E230C	1998	REPLACEMENT	NO
7. ROOM COOLER (UPPER COIL)	AEROFIN	900630	N/A	2E230D	1990	REPAIRED	YES

7. Description of Work SEE PAGE 3OF 3

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 3 OF 3
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Seibert (Owner or Owner's Designee, Title) Welding Engineer Date APRIL 28, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 5-10-02 to 2-14-03, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 21 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 19-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR PUMP ROOM COOLING 234G-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. ROOM COOLER (LOWER COIL)	AEROFIN	900631	N/A	2E230D	1990	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 19-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RHR PUMP ROOM COOLING 234G-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	02-234-013 434729	REPAIR UPPER COIL INLET/OUTLET & RETURN ENDS LOWER COIL RETURN END	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-03-069	125 PSIG	32 °F
3	02-234-003 385890	REPAIR LOWER COIL SUPPLY END GRINDING ONLY	VIII Div-1 1986	1997-2	NONE	N/A	N/A
4	02-234-012 434731	REPAIR LOWER COIL SUPPLY END	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-03-074	127 PSIG	33 °F
5 & 6	02-234-012 434731	REPLACE UPPER COIL UPPER HOSE	ANSI B31.1	NONE	SE-000-017 VT-2 ISI-03-074	127 PSIG	33 °F
7 & 8	02-234-004 385887	REPAIR UPPER COIL RETURN END REPAIR LOWER COIL RETURN END	VIII Div-1 1986	1997-2	SE-000-017 VT-2 ISI-02-809	94 PSIG	45 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 19-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System EMERGENCY LC & SWITCHGEAR ROOMS SUPPLY 234U-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE BODY	ITT HAMMER DAHL	83/02030/002	N/A	HV27203B	1983	REPAIRED	YES
2. SMALL PIPE ASSEMBLY	BECHTEL	N/A	N/A	SPHRC223-12	1983	REPLACED	YES
3. SMALL PIPE ASSEMBLY	PPL	N/A	N/A	SPHRC223-12	2002	REPLACEMENT	NO

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Benbow Date APRIL 28, 2003

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 8-30-02 to 12-10-02, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 21 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 19-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System EMERGENCY LC & SWITCHGEAR ROOMS SUPPLY 234U-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1	02-234-009 301158	REPAIR VALVE BODY FLANGE	1980 Ed S 82 Ad	NONE	SE-000-017 VT-2 ISI-02-875	128 PSIG	36 °F
2 & 3	02-234-007 301157	REPLACE 2" 150# SW CS FLANGE	1971 Ed W 72 Ad	NONE	SE-000-017 VT-2 ISI-02-875	128 PSIG	36 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 19-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System FUEL POOL COOLING 235B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE	PACIFIC	0114-6	N/A	253009C	1976	REPLACED	YES
2. VALVE	FLOWSERVE	E716A-1-5	N/A	253009C	1999	REPLACEMENT	YES

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 3 OF 3
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks CODE DATA REPORT(S) ATTACHED

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach Date APRIL 28 , 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-19-01 to 2-13-03, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 21 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 19-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System FUEL POOL COOLING 235B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	01-235-001 282365	REPLACE VALVE BY WELDING	1971 Ed W72 Ad	1567	SE-000-017 VT-2 ISI-03-058	120 PSIG	72.9 °F

For Information Only

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES

As Required by the Provisions of the ASME Code Rules

1. Manufactured by Flowserve Corp. 701 First Street, Williamsport, PA 17701 (Name & Address of Manufacturer) Order No. E716A-1

2. Manufactured for Pennsylvania Power & Light Company PO Box 25223, Leigh Valley, PA 18002-5223 (Name and Address) Order No. 8-15753-1

3. Owner Pennsylvania Power & Light Company

4. Location of Plant Susquehanna, 5 miles NE of Berwick on US Rt 11, PO Box 467, Berwick, PA 1860

5. Manufacturer Valve Identification E716A-1-5

6" - 150# Durabla Check Valve
(Brief description of service for which equipment was designed)

(a) Drawing No. W9925243 Rev. A Prepared by Flowserve Corp.

(b) National Board No. N/A

6. Design Conditions 135 (Pressure) 285 psi 212 (Temperature) 100 °F

7. The material, design, construction, and workmanship complies with ASME Code Section III. Class 3

Edition 1971, Addenda Date Winter 72, Case No. 1567

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body Ht #9145N	SA216-WCB	PRL Industries,	Inc.
S/N - L184			
Disc Ht #D4523	SA351-CF8M	PRL Industries,	Inc.
S/N - L326			
(b) Forgings			
End Pieces Ht #G5683	SA105	Patriot Forge,	Inc.
S/N - 9 & 10			

For Information Only

FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c)	Bolting			
	Studs			
	Ht #85098	SA193-B7	Nova Machine Products Corp.	
	Nuts			
	Ht #S27778	SA194-2H	Allied Group	
(d)	Other Parts			
	N/A			

8. Hydrostatic test 450 psi.

CERTIFICATION OF DESIGN

Design information on file at Flowserve Corp., 701 First St., Williamsport, PA 17701

Stress analysis report on file at N/A

Design specifications certified by Dale Sattar (1) Prof. Eng. State PA Reg. No. 019525-E

Stress analysis report certified by N/A (1) Prof. Eng. State _____ Reg. No. _____

(1) Signature not required. List name only.

We certify that the statements made in this report are correct.

Date 10/15 19 99 Signed Flowserve Corp. (Manufacturer) By R L Stannett

Certificate of Authorization No. N1712 expires 4/15/01

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State ~~or Province~~ of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA have inspected the equipment described in this Data Report on 7-20 to 10-18 19 99, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date 10-18 19 99

Charles Young (Inspector) Commissions Pennsylvania 2392 (National Board, State, Province and No.)

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 20 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 245A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE BONNET	ATWOOD & MORRILL	4-203	N/A	HV241F032B	1975	REPAIRED	YES
2. BONET PLUG	ENERGY STEEL	HT: AEM	N/A	HV241F032B	1989	REPLACED	NO
3. BONET PLUG	BONNEY FORGE	HT: CC12	N/A	HV241F032B	1981	REPLACEMENT	NO
4. VALVE DSIC	ATWOOD MORRILL	3-801A01780	N/A	HV241F032B	1989	REPAIRED	NO

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Seibert Owner or Owner's Designee, Title Welding Engineer Date APRIL 28 ,20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10-11-01 to 10-11-02, 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.

William R. Rogers III Inspector's Signature

Commissions NB 7980 A,N,I,B,NS PA 2204 National Board, State, Province, and Endorsements

Date MAY 21 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 20-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System FEEDWATER SYSTEM 245A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1	02-245-002 352774	DRILL & TAP BONNET FOR LARGER SIZE BONNET PLUG	1971 Ed W72 Ad	NONE	NONE	N/A	N/A
2 & 3	02-245-002 352774	REPLACED ½" PLUG WITH 1" PLUG	1986 Ed No Ad 1980 Ed W80 Ad	NONE	NONE	N/A	N/A
4	01-245-002 352774	REMOVE & RE-INSTALL SOFT SEAT RETAINER TACK WELDS	1971 Ed W72 Ad	NONE	NONE	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 20 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR POOL SPRAY PUMPS AND AUXILIARY 249A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. SMALL PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	SPHBC239-3	1983	REPLACED	YES
2. SMALL PIPE SUB-ASSEMBLY	PPL	N/A	N/A	SPHBC239-3	2003	REPLACEMENT	NO
3. SMALL PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	SPHBC240-3	1983	REPLACED	YES
4. SMALL PIPE SUB-ASSEMBLY	PPL	N/A	N/A	SPHBC240-3	2003	REPLACEMENT	NO

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Owner or Owner's Designee, Title Welding Engineer Date MAY 21 ,20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 6-29-01 to 7-26-01, 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.

William R. Rogers II Commissions NB 7980 A,N,I, B,NS PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 30 20 03

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 20-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RHR POOL SPRAY PUMPS AND AUXILIARY 249A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, 3, & 4	01-249-017 326172	REPLACE ½" DIA B7 STUDS AT MOTOR OIL COOLER FLANGE CONNECTION	1971 Ed W-72 Ad	NONE	None	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 20 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SYSTEM STEAM CONDENSING MODE 249B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. RHR HEAT EX BOLTING	MLW IND	10641-Q	124	2E205B	1976	REPLACED	YES
2. RHR HEAT EX STUD QTY-2	A&G ENGINEERING	HT: DLI	N/A	2E205B	1987	REPLACEMENT	NO
3. RHR HEAT EX NUTS QTY-3	NOVA	HT: QAG	N/A	2E205B	1997	REPLACEMENT	NO

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach (Owner or Owner's Designee, Title Welding Engineer) Date MAY 19 , 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-17-03 to 3-19-03, 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.

William R. Rogus III Commissions NB 7980 A,N,I,B,NS PA 2204
Inspector's Signature National Board, State, Province, and Endorsements

Date May 30 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 20-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RHR SYSTEM STEAM CONDENSING MODE 249B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	03-249-003 358486	REPLACE 1-3/8" DIA B7 STUDS (QTY-2)	1971 Ed W72 Ad	NONE	None	N/A	N/A
3	03-249-003 358486	REPLACE 1-3/8" DIA GR-7 NUTS (QTY-3)	1989 Ed No Ad	NONE	None	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 24 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL 249D-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	GBB217-1	1983	REPAIRED	YES

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Berlenk (Owner or Owner's Designee, Title Welding Engineer) Date MAY 21 , 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-17-03 to 3-24-03, 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.

William R. Rogers III (Inspector's Signature) Commissions NB7980 A,N,I,B,NS PA2204 (National Board, State, Province, and Endorsements)

Date MAY 30 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 24-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RESIDUAL HEAT REMOVAL 249D-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1	03-249-004 459204	PERFORM ISI UT EXAM SURFACE PREP ON WELDS FW-13 & FW-15	1971 Ed W72 Ad	NONE	NONE	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 24 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR SHUTDOWN COOLING MODE SYSTEM 249G-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PLUG/STEM ASSEMBLY	MASONEILAN DRESSER	1810-2-1045-9	N/A	HV251F122B	2001	REPLACED	YES
2. PLUG/STEM ASSEMBLY	MASONEILAN DRESSER	1810-2-1045-7	N/A	HV251F122B	2001	REPLACEMENT	YES
3. VALVE DISK	ATWOOD MORRILL	HT 9334 S/N 1	N/A	HV251F050B	1993	REPLACED	YES
4. VALVE DISK	ATWOOD MORRILL	HT: 438501 SN:N45392-1	N/A	HV251F050B	2002	REPLACEMENT	YES
5. VALVE DISK	ATWOOD MORRILL	HT: 438501 SN:N45392-1	N/A	HV251F050B	2002	REPAIRED	YES
6. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPDCA208-H5001	1983	REPLACED	YES
7. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPDCA208-H5001	2003	REPLACEMENT	NO

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturers Data Sheets Attached

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Beaulieu Date JUNE 17 , 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 1-27-03 to 4-1-03, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 18 20 03

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 24-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RHR SHUTDOWN COOLING MODE SYSTEM 249G-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	03-249-002 440099	REPLACE PLUG / STEM ASSEMBLY	1974 Ed W75 Ad	NONE	NONE	N/A	N/A
3, 4, & 5	03-249-006 439023	REPLACED , MACHINED AND DRILLED DISK	1971 Ed W72 Ad	NONE	NONE	N/A	N/A
6 & 7	03-249-007 462143	REPLACED SPD –2 WITH SPD-6 REPLACEMENT BY WELDING	1971 Ed W72 Ad	NONE	NONE	N/A	N/A

For Information Only

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

N341186

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

Not to Exceed One Day's Production

1. Manufactured and certified by Masoneilan Dresser, 85 Bodwell Street, Avon, Massachusetts 02322-1190
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light, 2 North Ninth St., Allentown, PA 18101
(name and address of Purchaser)

3. Location of installation Pennsylvania Power & Light, 5 miles NE of Berwick on US Rt. 11, Berwick, PA 18603
(name and address)

4. Type: P9899 Rev. D (drawing no.) | Haynes Alloy 6B (mat'l. spec. no.) | 139,000 PSI (tensile strength) | N/A (CRN) | 2001 (year built)

5. ASME Code, Section III, Division 1: 1974 Edition (edition) | Winter 1975 Addenda (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Masoneilan Part Nº 013431-135-1L2 - 1"

Spare Part for S/N N00186-5,-6,-7,-8,-9,-10,-12,-14,-15

Qty. 3

8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number Heat Numbers	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) 1810-2-1045-7		(26)	
(2) -8		(27)	
(3) -9		(28)	
(4)		(29)	
(5)		(30)	
(6)		(31)	
(7)		(32)	
(8)		(33)	
(9)		(34)	
(10)		(35)	
(11)		(36)	
(12)		(37)	
(13)		(38)	
(14)		(39)	
(15)		(40)	
(16)		(41)	
(17)		(42)	
(18)		(43)	
(19)		(44)	
(20)		(45)	
(21)		(46)	
(22)		(47)	
(23)		(48)	
(24)		(49)	
(25)		(50)	

10. Design pressure 1650 psi. Temp. 565 °F. Hydro. test pressure N/A (when applicable) at temp. °F

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

For Information Only

FORM N-2 (Back — Pg. 2 of 2)

Certificate Holder's Serial Nos. N-341186-2 through -

CERTIFICATION OF DESIGN

Design specifications certified by Sidney A. Copland (when applicable) P.E. State PA Reg. no. 19877-E

Design report* certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this ~~(these)~~ Plug S/A conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1837 Expires August 19, 2001

Date 2-5-01 Name Masoneilan-Dresser Industries (NPT Certificate Holder) Signed William J. Conca (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MA and employed by H.S.B.I. & I. Co. of HARTFORD, CT have inspected these items described in this Data Report on FEB. 5, 2001, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 2/5/01 Signed Willie W. Will (Authorized Inspector) Commissions MA-1337 [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

For Information Only

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III,
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co. Inc. 285 Canal Street, Salem MA. 01970
(name and address of NPT Certificate Holder)
2. Manufactured for Penn. Power & Light , P.O. Box 25223, Lehigh Valley, PA 18002-5223
(name and address of Purchaser)
3. Location of installation Berwick, PA.
(name and address)
4. Type: *32427-712-C Rev. 01 (drawing no.) SA 351-CF8M (matl. spec. no.) 80.3 KSI (tensile strength) N/A (CRN) 2002 (year built)
5. ASME Code, Section III, Division 1: 1971 (edition) W72 (addenda date) 1 (class) N/A (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A
7. Remarks: Cust. Item 01 A&M Item 10, Qty. 1, Disc A&M P/N 32427-712-5114-121 (A&M SOW 62796) * Dwg. Prepared by A&M. This certification meets the required information of ASME Section III 1971, Winter 1972 Addenda.
8. Nom. thickness (in.) 3.8125" Min. design thickness (in.) 3.8125" Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

Part or Appurtenance Serial Number	National Board No. in Numerical Order	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1) HT: 438501 S/N: N45392-1	N/A	(18)	
(2)		(19)	
(3)		(20)	
(4)		(21)	
(5)		(22)	
(6)		(23)	
(7)		(24)	
(8)		(25)	
(9)		(26)	
(10)		(27)	
(11)		(28)	
(12)		(29)	
(13)		(30)	
(14)		(31)	
(15)		(32)	
(16)		(33)	
(17)		(34)	

10. Design pressure 1500 psi. Temp. 565 °F. Hydro. test pressure N/A (when applicable) at temp. N/A °F

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

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

For Information Only

Reprint (7/91)

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holder's Serial Nos. HT 438501 S/N N45392-1

CERTIFICATION OF DESIGN

Design specifications certified by JOHN R. SCHMIEDEL (when applicable) P.E. State PA. Reg. no. 19870-E

Design report* certified by HERBET COOK (when applicable) P.E. State MA Reg. no. 10981

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) DISC conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2607 Expires 6-13-04

Date 1/24/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by HSB CT of Hartford, CT have inspected these items described in this Data Report on 1/24/02, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above. By signing this Certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 1/24/02 Signed [signature] Commission NY 5070 N (Nat'l. Bd. (incl. Endorsements) and state or prov. and no.)

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 25 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RCIC WATER LOOP SYSTEM 250A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PUMP	BINGHAM	210016	N/A	2P203	1971	REPAIRED	YES

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Benbow Date MAY 19 , 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 10-15-02 to 4-1-03, 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.

William R. Rogus III Commissions NB7980 A,N,I,R,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 30 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 25-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RCIC WATER LOOP SYSTEM 250A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1	02-250-002 397209	WELD REPAIR SUCTION & DISCHARGE NOZZLE, AND SUPPORT FEET	Draft 1968 1971 Ed W72 Ad 1989 Ed NC5000	NONE	NONE	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 28 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RCIC TURBINE AND AUXILARY (STEAM LOOPS AND FLOW CONTROL) 250B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. RUPTURE DISC ASSEMBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D001	1984	REPLACED	YES
2. RUPTURE DISC ASSEMBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D001	1984	REPLACEMENT	YES
3. RUPTURE DISC ASSEMBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D002	1984	REPLACED	YES
4. RUPTURE DISC ASSEMBLY	BS&B SAFETY SYSTEMS	HT: 886796 HT: 877448 LOT: 84090018-1	N/A	PSE2D002	1984	REPLACEMENT	YES

7. Description of Work SEE PAGE 3OF 3

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 3 OF 3
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach Date MAY 21 , 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 8-12-02 to 3-21-03, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date MAY 30 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 28-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RCIC TURBINE AND AUXILARY (STEAM LOOPS AND FLOW CONTROL) 250B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
5. LIFT CHECK	ANCHOR DARLING	E9970-4-1	N/A	249F040	1982	REPAIRED	YES
6. LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	DBB209-1	1983	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 28-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RCIC TURBINE AND AUXILARY (STEAM LOOPS AND FLOW CONTROL) 250B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, 3, & 4	02-250-001 359128	REPLACEMENT OF TURBINE EXHAUST RUPUTURE DISC AND VACUUM SUPPORT	1971 Ed S73 Ad	NONE	VT-2: ISI-02-800	8 PSIG	138.4 °F
5	02-250-003 422093	REMOVE ROUGH EDGES, NICKS, BURRS, ETC FROM GUIDE RIBS, & DISC.	1971 Ed W72 Ad	NONE	None	N/A	N/A
6	03-250-002 459488	PERFORM ISI UT EXAM SURFACE PREP ON WELDS FW-10 & FW-11	1971 Ed W72 Ad	NONE	NONE	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (Name) — Date 28 APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (Name) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (Name) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CORE SPRAY 251A-II

5. (a) Applicable Construction Code III 19 74 Edition, thru W'74 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. STEM/DISC ASSEMBLY	YARWAY	A1326	N/A	252001	1977	REPLACED	YES
2. STEM/DISC ASSEMBLY	YARWAY	TEZG-C14	N/A	252001	2000	REPLACEMENT	YES

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Haverland (Owner or Owner's Designee, Title) Welding Engineer Date May 19, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 12-04-02 to 1-17-03, 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.

William R. Rogers III (Inspector's Signature) Commissions NB 7980, A,N,I,B,NS PA 2204 (National Board, State, Province, and Endorsements)

Date May 21 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 28-APRIL-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System CORE SPRAY 251A-II

5. (a) Applicable Construction Code III 19 74 Edition, thru W'74 Addenda, No Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No.	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	02-251-001 410801	REPLACEMENT STEM / DSIC ASSEMBLY	1974 Ed W74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A

For Information Only

WIP ORDER 5030524 SALES ORDER NO 2025565

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 (name and address of NPT Certificate Holder)

2. Manufactured for FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 (name and address of purchaser)

3. Location of Installation STOCK (name and address)

4. Type 969155-06 (drawing no.) AMS5385E (disc) (matl. spec. no.) 52,000 PSI MIN. (tensile strength) N/A (CRN) 2000 (year built)

5. ASME Code, Section III: 1986 (edition) NONE (addenda date) 1 (class) — (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) — (no.) Revision — Date —

7. Remarks: FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A. PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS.

8. Nom. thickness (in.) — Min. design thickness (in.) — Dia. ID (ft. & in.) — Length overall (ft. & in.) —

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	TEZG-C1	—
(2)	TEZG-C2	
(3)	TEZG-C3	
(4)	TEZG-C4	
(5)	TEZG-C5	
(6)	TEZG-C6	
(7)	TEZG-C7	
(8)	TEZG-C8	
(9)	TEZG-C9	
(10)	TEZG-C10	
(11)	TEZG-c11	
(12)	TEZG-C12	
(13)	TEZG-C13	
(14)	TEZG-C14	
(15)	TEZG-C15	
(16)	TEZG-C16	
(17)	TEZG-C17	
(18)	TEZG-C18	
(19)	TEZG-C19	
(20)	TEZG-C20	
(21)	TEZG-C21	
(22)	TEZG-C22	
(23)	TEZG-C23	
(24)	AV94-D1	
(25)	91-11-1G-F1	

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

FTI OP SUP PBG

10. Design pressure ** psi. Temp. ** °F Hydro. test pressure N/A (when applicable) at temp. °F

**FOR ANSI CLASS 1500 VALVES

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

(12/86) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

FORM N-2 (back)

Mfr. Serial No. SEE FRONT

CERTIFICATION OF DESIGN

Design specifications certified by (SEE REMARKS) (when applicable) P.E. State ______ Reg. no. ______

Design report* certified by N/A (when applicable) P.E. State ______ Reg. no. ______

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) STEM AND DISC ASSEMBLIES, 1 INCH conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N-2450 Expires November, 14, 2001

Date 6/23/00 Name YARWAY CORPORATION (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston, RI have inspected these items described in this Data Report on 06/23/00 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 06/23/00 Signed [signature] (Authorized Inspector) Commissions PA 2389 'N' (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

FTI
OP SUP
PBG

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 05 MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System STANDBY LIQUID CONTROL 253A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. CHECK VALVE	BORG WARNER	17990	N/A	248F033B	1976	REPLACED	YES
2. CHECK VALVE	EDWARDS	72AIW	N/A	248F033B	1997	REPLACEMENT	YES
3. SMALL PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	SPDCB201-3	1983	REPLACED	YES
4. SMALL PIPE SUB-ASSEMBLY	PPL	N/A	N/A	SPDCB201-3	2002	REPLACEMENT	NO
5. PLUNGER	UNION PUMP	N/A	N/A	2P208A	1971	REPLACED	NO
6. PLUNGER	GE	HT: A17828	N/A	2P208A	1989	REPLACEMENT	NO
7. PLUNGER	UNION PUMP	N/A	N/A	2P208B	1971	REPLACED	NO

7. Description of Work SEE PAGE 4OF 4

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 4 OF 4
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturer's Data Sheets Attached.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Welding Engineer (Owner or Owner's Designee, Title) Date 5/21, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-7-01 to 4-21-03, 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.

William R. Rogers III — Inspector's Signature

Commissions NB7980 A,N,I,B,NS PA2204 — National Board, State, Province, and Endorsements

Date MAY 30 2003

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

1. Owner: PPL SUSQUEHANNA, LLC (NAME) — Date: 05-MAY-2003
   769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 4
2. Plant: SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit: TWO
   769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)
3. Work Performed by: PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp: NONE
   769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No.: N/A
   Expiration Date: N/A
4. Identification of System: STANDBY LIQUID CONTROL 253A-II
5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
   (b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1
6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. PLUNGER	GE	HT: A17828	N/A	2P208B	1989	REPLACEMENT	NO
9. PLUNGERS (2)	UNION PUMP	N/A	N/A	2P208A	1971	REPLACED	NO
10. PLUNGER	GE	SR0479-01	N/A	2P208A	1990	REPLACEMENT	NO
11. PLUNGER	GE	SR0479-03	N/A	2P208A	1990	REPLACEMENT	NO
12. TRIGGER ASSEMBLY	IST CONAX NUCLEAR	5749	5749	248F004A	1999	REPLACED	YES
13. TRIGGER ASSEMBLY	IST CONAX NUCLEAR	6314	6314	248F004A	2002	REPLACEMENT	YES
14. INLET FITTING	IST CONAX NUCLEAR	5774	5774	248F004A	1999	REPLACED	YES
15. INLET FITTING	IST CONAX NUCLEAR	6339	6339	248F004A	2002	REPLACEMENT	YES
16. TRIGGER ASSEMBLY	IST CONAX NUCLEAR	5748	5748	248F004B	1999	REPLACED	YES
17. TRIGGER ASSEMBLY	IST CONAX NUCLEAR	6316	6316	248F004B	2002	REPLACEMENT	YES
18. INLET FITTING	IST CONAX NUCLEAR	5773	5773	248F004B	1999	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 05-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System STANDBY LIQUID CONTROL 253A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. INLET FITTING	IST CONAX NUCLEAR	6341	6341	248F004B	2002	REPLACEMENT	YES
20. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPDCB201-H61	1983	REPLACED	NO
21. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPDCB201-H61	2003	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 05-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System STANDBY LIQUID CONTROL 253A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 CODE CASE N-416-1

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, 3, & 4	02-253-001 326724	REPLACEMENT BY WELDING OF CHECK VALVE AND ASSOCIATED 1-1/2" DIA PIPE	1974 Ed W74 Ad	NONE	SE-000-017 ISI-02-731	1400 PSIG	100 °F
5 & 6	02-253-002 V93219	DOCUMENT PRIOR REPLACEMENT OF PLUNGERS CR# 333344	1968 Draft P & V	NONE	NONE	N/A	N/A
7 & 8	02-253-003 V93218	DOCUMENT PRIOR REPLACEMENT OF PLUNGERS CR# 333344	1968 Draft P & V	NONE	NONE	N/A	N/A
9, 10, & 11	02-253-004 102418	DOCUMENT PRIOR REPLACEMENT OF PLUNGERS CR# 333344	1968 Draft P & V	NONE	NONE	N/A	N/A
12, 13, 14, & 15	02-253-007 359144	REPLACE TRIGGER ASSEMBLY AND INLET FITTING	1977 Ed S77 Ad	NONE	SE-253-001 ISI-03-465 ISI-03-464	PSIG 1400 1400	°F 81 103
16, 17, 18, & 19	02-253-008 359146	REPLACE TRIGGER ASSEMBLY AND INLET FITTING	1977 Ed S77 Ad	NONE	SE-253-001 ISI-03-465 ISI-03-464	PSIG 1400 1400	°F 81 103
20 & 21	03-253-002 463642	REPLACEMENT BY WELDING OF ITEM 1, PLATE AND ITEM 5 SPD-8	1971 Ed W72 Ad	NONE	NONE	N/A	N/A

or Information Only

FORM NPV-1 N CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

1. Manufactured by EDWARD VALVES INC., 1900 S. SAUNDERS ST, RALEIGH, NC 27603
(Name and Address of N Certificate Holder)
2. Manufactured for PENNSYLVANIA POWER & LIGHT Co., P.O. BOX 467, BERWICK, PA 18603
(Name and Address of Purchaser or Owner)
3. Location of Installation SUSQUEHANNA SES BERWICK, PA 18603
(Name and Address)
4. Pump or Valve VALVE. Nominal Inlet Size 1½" (inch) Outlet Size 1½" (inch)

	(a) Model No., Series No. or Type	(b) N Certificate Holder's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	D36274F316TI	71AIW	N/A	D91-22940-04	1	N/A	1997
(2)	D36274F316TI	72AIW	N/A	D91-22940-04	1	N/A	1997
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. 1½" CHECK VALVE
(Brief description of service for which equipment was designed)
SO-36-4541R

6. Design Conditions 2240 (Pressure) psi 800 (Temperature) °F or Valve Pressure Class 1500 (1)
7. Cold Working Pressure 3600 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
H	A732 GR 21	CONSOLIDATED CAST.	DISK
(b) Forgings			
6FWB	SA182 GR F316	TRINITY FORGE	BODY
8645929	SA479 T316	DUBOSE SERVICES	COVER

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

4A

or Information Only

FORM NPV-1 (Back)

ITEM 1, PARCL VALVE S/N 71AIW & 72AIW

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
(d) Other Parts			

9. Hydrostatic test 5400 psi. Disk Differential test pressure 3975 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components, Section III, Div. 1., Edition 1974, Addenda WINTER 1974 (Date), Code Case No. N/A, Date 1/21/97

Signed EDWARD VALVES INC. (N Certificate Holder) by [signature]

Our ASME Certificate of Authorization No. N-1562 to use the "N" (N) symbol expires 11/26/97 (Date).

CERTIFICATION OF DESIGN

Design information on file at EDWARD VALVES INC, RALEIGH, NC. 27603

Stress analysis report (Class 1 only) on file at EDWARD VALVES INC RALEIGH N.C.

Design specifications certified by (1) DALE SATTAR

PE State PA Reg. No. 019525E

Stress analysis certified by (1) S L ADAMS III

PE State NC Reg. No. 4187

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of NORTH CAROLINA and employed by HSBI & I Co. of HARTFORD, CT have inspected the pump, or valve, described in this Data Report on 1-21 19 97, and state that to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 1-21 19 97

[signature] (Inspector) Commissions NC1083 (Nat'l Bd., State, Prov. and No.)

4B

Information Only

007A

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by IST Conax Nuclear, 402 Sonwil Drive, Cheektowaga, NY 14225
(name and address of NPT Certificate Holder)

2. Manufactured for GE Nuclear Energy, 175 Curtner Avenue, San Jose, CA 95125
(name and address of Purchaser)

3. Location of installation Unknown
(name and address)

4. Type: N20000, Rev. G (drawing no.) | SA479 304SST (mat'l spec. no.) | 75 KSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 77 (edition) | S77 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision _____ Date _____

7. Remarks: Trigger Body Subassembly for explosive actuated valve replacement kit for standby liquid control system.

Para. NB-2121 (b) is applicable to ram. Press Fit/Seal on .328 & .4375 diameters. Overall subassembly length is 2.5".

Pressure Test at 2800 psi for 10 minutes.

8. Nom. thickness (in.) See Remarks Min. design thickness (in.) See Remarks Dia. ID (ft & in.) See Remarks Length overall (ft & in.) See Remarks

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	6312	6312
(2)	6313	6313
(3)	6314	6314
(4)	6315	6315
(5)	6316	6316
(6)	6317	6317
(7)		
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1500 psi. Temp. 150 °F. Hydro. test pressure * See Remarks (when applicable) at temp. *

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

12/13/...

0078

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holder's Serial Nos. 6312 through 6317

CERTIFICATION OF DESIGN

Design specifications certified by George I. Skoda (when applicable) P.E. State CA Reg. no. 15847

Design report* certified by Francis J. Domino (when applicable) P.E. State NY Reg. no. 36832

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Trigger Body Subassembly conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1850 Expires September 2, 2004

Date 4/23/02 Name IST Conax Nuclear (NPT Certificate Holder) Signed Paul E Couchman (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by HSB CT of Hartford, CT have inspected these items described in this Data Report on APR 23 2002, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 5-1-02 Signed [signature] (Authorized Inspector) Commissions NB 10964AN NY 5057 (Nat'l Bd. (incl. endorsements) and state or prov. and no.)

5 GES

12/23/2005

Information Only

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

009A

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

Not to Exceed One Day's Production

1. Manufactured and certified by IST-Conax Nuclear, Inc. 402 Sonwil Drive, Cheektowaga, NY 14225
(name and address of NPT Certificate Holder)

2. Manufactured for GE Nuclear Energy, 175 Curtner Avenue, San Jose, CA 95125
(name and address of Purchaser)

3. Location of Installation Unknown
(name and address)

4. Type: N38017, Rev. F (drawing no.) | SA479 304SST (mat'l spec. no.) | 75 KSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 77 (edition) | S77 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision _____ Date _____

7. Remarks: Inlet Fitting for explosive actuated valve replacement kit for standby liquid control system.

Pressure Test at 2800 psi for 10 minutes.

8. Nom. thickness (in.) .040 Min. design thickness (in.) .031 Dia. ID (ft & in.) .815" Length overall (ft & in.) 2.245"

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	6337	6337
(2)	6338	6338
(3)	6339	6339
(4)	6340	6340
(5)	6341	6341
(6)	6342	6342
(7)		
(8)		
(9)		
(10)		
(11)		
(12)		
(13)		
(14)		
(15)		
(16)		
(17)		
(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
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(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1500 psi. Temp. 150 °F. Hydro. test pressure * See Remarks (when applicable) at temp. °

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

11/13/96

Information Only

0098

FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. 6337 through 6342

CERTIFICATION OF DESIGN

Design specifications certified by George I. Skoda (when applicable) P.E. State CA Reg. no. 16847

Design report* certified by Francis J. Domino (when applicable) P.E. State NY Reg. no. 36832

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Inlet Fittings conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1850 Expires September 2, 2004

Date 4/23/02 Name IST Conax Nuclear (NPT Certificate Holder) Signed Paul Elcuchman (Authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York and employed by HSB CT of Hartford, CT have inspected these items described in this Data Report on APR. 29 2002, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 5-1-02 Signed [signature] (Authorized Inspector) Commissions NB 10984AN NY 5057 (Nat'l Bd. (incl. endorsements) and state or prov. and no.)

5 GES

12/25/2002

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 05 MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE HYDRAULIC 255B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE GATE	HENRY VOGT	BFW	N/A	247102-3059	1974	REPLACED	YES
2. VALVE GATE	EDWARD VOGT	WAS	N/A	247102-3059	1999	REPLACEMENT	YES
3. VALVE GATE	HENRY VOGT	BFW	N/A	247102-3459	1974	REPLACED	YES
4. VALVE GATE	EDWARD VOGT	WAS	N/A	247102-3459	1999	REPLACEMENT	YES
5. PISTON ACCUMULATOR	GE	2003	N/A	2S239-3403	1975	REPLACED	YES
6. PISTON ACCUMULATOR	GE	8627	N/A	2S239-3403	2000	REPLACEMENT	YES
7. PISTON ACCUMULATOR	GE	1957	N/A	2S239-3451	1975	REPLACED	YES

7. Description of Work SEE PAGE 4OF 4

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 4 OF 4
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturer's Data Sheets Attached.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Kendall Owner or Owner's Designee, Title Welding Engineer Date MAY 29 ,20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 11-8-02 to 4-21-03, 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.

William R. Rogers III Inspector's Signature

Commissions NB 7980 A,N,I,B,NS PA2204 National Board, State, Province, and Endorsements

Date MAY 30 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 05-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE HYDRAULIC 255B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. PISTON ACCUMULATOR	GE	8628	N/A	2S239-3451	2000	REPLACEMENT	YES
9. PISTON ACCUMULATOR	GE	1935	N/A	2S239-1023	1975	REPLACED	YES
10. PISTON ACCUMULATOR	GE	8630	N/A	2S239-1023	2000	REPLACEMENT	YES
11. VALVE GATE	HENRY VOGT	BFW	N/A	247112-2607	1975	REPLACED	YES
12. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-2607	2001	REPLACEMENT	YES
13. VALVE GATE	HENRY VOGT	BFW	N/A	247112-2635	1975	REPLACED	YES
14. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-2635	2001	REPLACEMENT	YES
15. VALVE GATE	HENRY VOGT	BFW	N/A	247112-4215	1975	REPLACED	YES
16. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-4215	2001	REPLACEMENT	YES
17. VALVE GATE	HENRY VOGT	BFW	N/A	247112-4607	1975	REPLACED	YES
18. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-4607	2001	REPLACEMENT	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 05-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CONTROL ROD DRIVE HYDRAULIC 255B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. VALVE GATE	HENRY VOGT	BFW	N/A	247112-5435	1975	REPLACED	YES
20. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-5435	2001	REPLACEMENT	YES
21. VALVE GATE	HENRY VOGT	BFW	N/A	247112-5819	1975	REPLACED	YES
22. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-5819	2001	REPLACEMENT	YES
23. VALVE GATE	HENRY VOGT	BFW	N/A	247112-1035	1975	REPLACED	YES
24. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-1035	2001	REPLACEMENT	YES
25. VALVE GATE	HENRY VOGT	BFW	N/A	247112-1839	1974	REPLACED	YES
26. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-1839	2001	REPLACEMENT	YES
27. VALVE GATE	HENRY VOGT	BFW	N/A	247112-2259	1975	REPLACED	YES
28. VALVE GATE	EDWARD VOGT	PRW	N/A	247112-2259	2001	REPLACEMENT	YES
29. VALVE GATE	HENRY VOGT	AAAA	N/A	247101-2607	1975	REPLACED	YES
30. VALVE GATE	HENRY VOGT	AAAA	N/A	247101-2607	1977	REPLACEMENT	YES

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

1. Owner: PPL SUSQUEHANNA, LLC (NAME) — Dat: 05-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 4

2. Plant: SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit: TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by: PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp: None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization: N/A

Expiration Date: N/A

4. Identification of System: CONTROL ROD DRIVE HYDRAULIC — 255B-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	02-255-005 359208	REPLACE VALVE GATE	1971 Ed W72 Ad 1989 Ed No Ad	NONE	NONE	N/A	N/A
3 & 4	02-255-006 359209	REPLACE VALVE GATE	1971 Ed W72 Ad 1989 Ed No Ad	NONE	NONE	N/A	N/A
5 & 6	02-255-008 430594	REPLACE HCU PISTON ACCUMULATOR	Section VIII 1974 Ed S74 Ad 1998 Ed 99 Ad	NONE	NONE	N/A	N/A
7 & 8	02-255-009 431414	REPLACE HCU PISTON ACCUMULATOR	Section VIII 1974 Ed S74 Ad 1998 Ed 99 Ad	NONE	NONE	N/A	N/A
9 & 10	02-255-010 430057	REPLACE HCU PISTON ACCUMULATOR	Section VIII 1974 Ed S74 Ad 1998 Ed 99 Ad	NONE	NONE	N/A	N/A
11 thru 24	03-255-002 377198	REPLACE VALVE GATE	1971 Ed S73 Ad 1989 Ed No Ad	NONE	NONE	N/A	N/A
25 & 26	03-255-002 377198	REPLACE VALVE GATE	1971 Ed W72 Ad 1989 Ed No Ad	NONE	NONE	N/A	N/A
27 & 28	03-255-002 377198	REPLACE VALVE GATE	1971 Ed S73 Ad 1989 Ed No Ad	NONE	NONE	N/A	N/A
29 & 30	03-255-003 462619	REPLACE VALVE GATE	1971 Ed S73 Ad 1974 Ed W75 Ad	NONE	NONE	N/A	N/A

734

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

(As Required by the Provisions of the ASME Code, Section III, Div. 1)

1. Manufactured by Henry Vogt Machine Co., Louisville, KY
(Name and Address of Manufacturer)
2. Manufactured for General Electric Co., Wilmington, N.C.
(Name and Address of Purchaser or Owner)
3. Location of Installation
(Name and Address)
4. Pump or Valve Gate Valves. Nominal Inlet Size 1" (inch) Outlet Size 1"

	(a) Model No. Series No. or Type	(b) Manufacturers' Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	Gate	723-214660 thru 747-214660 (See Attached)	--	B-16033	1	--	1977
(3)							
(4)							
(5)							
(6)							
(7)							
(8)							
(9)							
(10)							

5. Hydraulic Control Module
(Brief description of service for which equipment was designed)
6. Design Conditions 2000 (Pressure) psi 150 (Temperature) °F or Valve Pressure Class -- (1)
7. Cold Working Pressure 2000 psi at 100°F.
8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
			A.S.M.E Code Item
(b) Forgings			
Bodies			
AG	SA-182-F316	Vogt	
Bonnets			
AK	SA-182-F316	Vogt	
AO	SA-182-F316	Vogt	

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting (Cap Screws) B7	SA 193-B7	Texas Bolt	
(d) Other Parts (Gates) AAAA	SA 479 T-410 (Chemistry Only)	Voqt	

9. Hydrostatic test 3000 psi.

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1, Edition 1974 Addenda Winter, 1975 (Date), Code Case No. ____, Date August 12, 1977

Signed Henry Voqt Machine Co. (Manufacturer) by Barbara Bourgeois

Our ASME Certificate of Authorization No. 947 to use the N (N) (NPV) symbol expires 1/6/78 (Date).

CERTIFICATION OF DESIGN

Design information on file at Henry Voqt Machine Co.

Stress analysis report (Class 1 only) on file at Henry Voqt Machine Co.

Design specifications certified by (1) Vernon Pence

PE State CA Reg. No. 14488

Stress analysis certified by (1) R. S. Perry

PE State KY Reg. No. 5380

(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Kentucky and employed by Commercial Union Ins. Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on August 10, 77 and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date August 12, 77

Commissions Kentucky #1 (Nat'l Bd., State, Prov. and No.)

8619724136

For Information Only

FORM N-2 MANUFACTURERES DATA REPORT FOR NUCLEAR PARTS AND APPERTENCANCES*

As Required by the Provisions of the ASME Code Rules

1. (a) Manufactured by Edward Vogt Valve Co., 5171 Maritime Rd., Jeffersonville, IN 47130
(Name and Address of N Manufacturer of part)

(b) Manufactured for GE Nuclear Energy – San Jose, CA
(Name and Address of manufacturer of completed nuclear component)

2. Idendification-Manufacturer's Serial No. of Part 11521 Nat'l Bd. No. _____

(a) Constructed According to Drawing No. E-17897 Rev 24 Drawing Prepared by Edward Vogt Valve Co.

(b) Discription of Part Inspected Replacement gates

(c) Applicabel ASME Code: Section III Edition 1989 /, Addenda Date No / Case No. _____ Class 1 /

3. Remarks:

Material Code "PRW" /

Order 218057 – 30 pcs.

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the part Manufacturer. An appurtenacne Manufacturer is responsible for furnishing a separate Design Specification and Stress Report if the appurtenacne is not included in the component Design Specification and Stress Report.)

Date 9/24/01 Signed Edward Vogt Valve Company By _____

Certificate of Autohorization Expires 1/6/2002 Certificate of Authorization No. N-948

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at N/A

Stress analysis report (Class 1 only) on file at _____

Design specifications certified by (1) _____

Stress Analysis report certified by _____

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Indiana and employed by Hartford Steam Boiler Inspection and Insurance Co. of Hartford Connecticut have inspected the pump, or valve, described in this Data Report on 9 12 4 01, and state that, to the best of my knowledge and belief, the N Certificate Holder has constructed this pump, or valve, in accordance with ASME Code, Section III.
By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the part described in this Manufacturer's Partial Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this Inspection.

Date 9 12 4 01

Signed _____ Commissions IN 949
(Inspector) (Nat'l Bd., State, Prov. and No.)

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this Data Report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 08 MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System PRIMARY CONTAINTMENT PRESSURE VESSEL SYSTEM 259A-MC

5. (a) Applicable Construction Code III 19 71 Edition thru S'72 Addend 1493 1522 1563 1567 1571 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 SUB SECTION IWE & IWL 1992 ED 1992 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. EYE BOLT	CBI	N/A	N/A	X-1	1975	REPLACED	NO
2. EYE BOLT	NOVA	HT: B192	N/A	X-1	2001	REPLACEMENT	NO
3. HEAVY HEX NUT	CBI	N/A	N/A	X-1	1975	REPLACED	NO
4. HEAVY HEX NUT	CBI	HT: 8JE	N/A	X-1	1993	REPLACEMENT	NO

7. Description of Work SEE PAGE 2OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Berlak Date June 17 , 20 03

(Owner or Owner's Designee, Title) Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-15-03 to 3-18-03, 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.

William R. Rogus III Commissions NB 7980 A,N,I,B,NS PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 18 20 03

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 08-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System PRIMARY CONTAINTMENT PRESSURE VESSEL SYSTEM 259A-MC

5. (a) Applicable Construction Code III 19 71 Edition, thru S'72 Addenda, 1493 1522 1563 1567 1571 Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 SUBSECTION IWE & IWL 1992 ED 1992 ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, 3, & 4	03-259-001 371228	REPLACE EQUIPMENT HATCH EYEBOLT AND HEAVY HEX NUT @ LOC 1 & 14	1971 Ed S72 Ad 1989 Ed No Ad	NONE	SE-259-001	47.1 PSIG	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 12 MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP SYSTEM 261B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PUMP	HAYWARD TYLER	U12H91824	N/A	2P221B	1992	REPLACED	NO
2. PUMP	HAYWARD TYLER	U12H91822	N/A	2P221B	1992	REPLACEMENT	NO
3. PUMP	HAYWARD TYLER	U12H91820	N/A	2P221A	1992	REPLACED	NO
4. PUMP	HAYWARD TYLER	U12H91821	N/A	2P221A	1992	REPLACEMENT	NO

7. Description of Work SEE PAGE 2 OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach (Owner or Owner's Designee, Title Welding Engineer) Date June 4, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 2-27-01 to 12-20-02, 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.

William R. Rogers III (Inspector's Signature) Commissions NB 7980 A,N,I B,NS PA2204 (National Board, State, Province, and Endorsements)

Date June 9 20 02

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 12-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP SYSTEM 261B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	01-261-001 194065 02-261-001 359925	REPLACE PROXIMITY PROBES WITH THREADED PIPE PLUGS. REPLACE PUMP WITH ROTATIONAL SPARE	Draft 1968 P&V 1986 Ed No Ad	NONE	SE-000-017 ISI-02-683	1035 PSIG	525 °F
3 & 4	02-261-005 385693	REPLACE PUMP WITH ROTATIONAL SPARE	Draft 1968 P&V	NONE	SE-000-017 ISI-02-905	1220 PSIG	472 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 09 MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP FILTER/DEMINERALIZER 261A-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. BALL VALVE	HILLS MCCANNA	110-773	N/A	245044A	N/A	REPLACED	NO
2. BALL VALVE	BNL	A011001-1-1	N/A	245044A	2001	REPLACEMENT	YES
3. BALL VALVE	HILLS MCCANNA	113-773	N/A	245045A	N/A	REPLACED	NO
4. BALL VALVE	BNL	A011001-1-2	N/A	245045A	2001	REPLACEMENT	YES
5. SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SPEBC203-11	1983	REPLACED	YES
6. SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPEBC203-11	2002	REPLACEMENT	NO
7. BALL VALVE	HILLS MCCANNA	102-773	N/A	245044B	N/A	REPLACED	NO

7. Description of Work SEE PAGE 4OF 4

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 4 OF 4
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturer's Data Sheets Attached.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Seelach Date June 16, 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 11-15-01 to 11-23-02, 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.

William R. Rogers III Commissions NB7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date June 18 20 03

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 09-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP FILTER/DEMINERALIZER 261A-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. BALL VALVE	BNL	A011001-1-3	N/A	245044B	2001	REPLACEMENT	YES
9. BALL VALVE	HILLS MCCANNA	114-773	N/A	245045B	N/A	REPLACED	NO
10. BALL VALVE	BNL	A011001-1-4	N/A	245045B	2001	REPLACEMENT	YES
11. SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SPEBC203-11	1983	REPLACED	YES
12. SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPEBC203-11	2002	REPLACEMENT	NO
13. BALL VALVE	HILLS MCCANNA	172-673	N/A	HV24507B	N/A	REPLACED	NO
14. BALL VALVE	HILLS MCCANNA	220-380	N/A	HV24507B	1981	REPLACEMENT	YES
15. SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SPHBC203-3	1983	REPLACED	YES
16. SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPHBC203-3	2002	REPLACEMENT	NO
17. VALVE	VALTEK	6607-5-2	N/A	FV24566A	N/A	REPLACED	NO
18. VALVE	VALTEK	6607-5-2	N/A	FV24566A	N/A	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 09-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP FILTER/DEMINERALIZER 261A-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. PLUG	HAMMEL – DAHL	120167	N/A	HV244F033	1975	REPLACED	YES
20. PLUG	ANCHOR DARLING	S2687-4	N/A	HV244F033	1992	REPLACEMENT	NO
21. VESSEL HEAD FLANGE	PROCESS EQUIPMENT	5695-T2	835	2F203B	1974	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 05-MAY-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System REACTOR WATER CLEANUP FILTER/DEMINERALIZER 261A-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, 3, & 4	01-261-002 317006	REPLACE VALVE REPLACEMENT BY WELDING	Draft 1968 P&V 1974 Ed No Ad	NONE	NONE	N/A	N/A
5 & 6	01-261-002 317006	REPLACE 1" DIA PIPE SECTIONS REPLACEMENT BY WELDING	1971 Ed W72 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
7, 8, 9, & 10	01-261-003 317022	REPLACE VALVE REPLACEMENT BY WELDING	Draft 1968 P&V 1974 Ed No Ad	NONE	NONE	N/A	N/A
11 & 12	01-261-003 317022	REPLACE 1" DIA PIPE SECTIONS REPLACEMENT BY WELDING	1971 Ed W72 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
13 & 14	01-261-004 313269	REPLACE VALVE REPLACEMENT BY WELDING REPLACE BONNET BOLTING	Draft 1968 P&V 1977 Ed No Ad 1989 Ed No Ad	NONE	SE-000-017 ISI-02-021	1225 PSIG	76 °F
15 & 16	01-261-004 313269	REPLACE 2" DIA PIPE SECTIONS REPLACEMENT BY WELDING	1971 Ed W72 Ad 1986 Ed No Ad	NONE	SE-000-017 ISI-02-021	0 PSIG	76 °F
17 & 18	01-261-005 233545	REPLACE VALVE LEAKOFF PORT PLUG	Draft 1968 P&V 1986 Ed No Ad	NONE	NONE	N/A	N/A
19 & 20	02-261-002 344026	REPLACE VALVE PLUG	1971 Ed No Ad	NONE	NONE	N/A	N/A
21	02-261-006 435124	WELD REPAIR HEAD FLANGE AND REMACHINE FLANGE FACE.	1971 Ed W71 Ad	NONE	NONE	N/A	N/A

r Information Only

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by ENL INDUSTRIES, INC., 30 INDUSTRIAL PARK ROAD, VERNON, CT, 06066
(name and address of N Certificate Holder)
2. Manufactured for PENNSYLVANIA POWER & LIGHT CO, TWO NORTH NINTH ST, ALLENTOWN, PA 18101
(name and address of Purchaser)
3. Location of installation SUSQUEHANNA, 5 MI NE OF BERWICK, PA, 18603
(name and address)
4. Model No., Series No., or Type VALVE Drawing HBV-A2-10-0080 Rev. A CRN
5. ASME Code, Section III, Division 1: 1974 (edition) - (addenda date) 3 (class) (Code Case no.)
6. Pump or valve VALVE Nominal inlet size 1" (in.) Outlet size 1" (in.)
7. Material: Body SA-105 Bonnet SA-105 Disk SA-479 Ty316 Bolting SA-193GrB7/SA-194Gr2H

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
AJ11001-1-(1THRU4)		L171	R184	N218

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

(12/88) This form (E00037) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

FORM NPV-1 (Back -- Pg. 2 of 2)

Certificate Holder's Serial No. A011001-1-(1THRU4)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 600# (1)
(pressure) (temperature)

9. Cold working pressure 1420PSIG @ 150F psi at 100°F

10. Hydrostatic test 2250 psi. Disk differential test pressure 1650 psi

11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by D.M. GROVES P.E. State PA Reg. no. 24926-E

Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/01*

Date 12/12/01 Name BNL INDUSTRIES, INC. Signed _____
(N Certificate Holder) (Authorized Representative)

*EXTENDED TO 12/30/01.

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of MASS. and employed by COMMERCIAL UNION INS. of BOSTON, MASS have inspected the pump, or valve, described in this Data Report on 12/12/01, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 12-12-01 Signed _____ Commissions NB 7867 NA 1841272
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

(1) For manually operated valves only.

300 Page 2 of 3

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

(As Required by the Provisions of the ASME Code, Section III, Div. 1)

1. Manufactured by Hills McCanna Company 400 Maple Ave., Carpentersville, IL 60110
(Name and Address of Manufacturer)

2. Manufactured for General Electric Co., 175 Curtner Ave., San Jose, Calif. 95125
(Name and Address of Purchaser or Owner)

3. Location of Installation Public Service Co. of OK, Black Fox Station Unit 2, Inola, OK 74036
(Name and Address)

4. Pump or Valve Ball Valve Nominal Inlet Size 2" Outlet Size 2"

	(a) Model No., Series No., or Type	(b) Manufacturer's Serial No.	(c) Canadian Registration No.	(d) Drawing No.	(e) Class	(f) Nat'l. Bd. No.	(g) Year Built
(1)	2" 8603	217-380	/.	CBVA-2475	3	/.	1980
(2)	CS-X-86	218-380	/.	CBVA-2475	3	/.	1981
(3)		219-380	/.	CBVA-2475	3	/.	1981
(4)		220-380	/.	CBVA-2475	3	/.	1981
(5)		221-380	/.	CBVA-2475	3	/.	1981
(6)							
(7)							
(8)							
(9)							
(10)							

5. Filter Demineralizer Ball Valves
(Brief description of service for which equipment was designed)

6. Design Conditions 1410 psi (Pressure) 150 °F (Temperature) or Valve Pressure Class 600 (1)

7. Cold Working Pressure 1410 psi at 100°F

8. Pressure Retaining Pieces

Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings			
Body 229-0234	SA216 Gr. WCB	FPL Industries	SN 1079-5 Ht. WJ547
Bonnet 229-0624	SA216 Gr. WCB	PRL Industries	SN 1079-71 Ht. WJ760
Body 229-0234	SA216 Gr. WCB	Lebanon Steel	SN 476-452 Ht. 8462B18
Bonnet 229-0624	SA216 Gr. WCB	PRL Industries	SN 1079-62 Ht. WJ747
Body 229-0234	SA216 Gr. WCB	Lebanon Steel	SN 476-12 Ht. 7199C10
Bonnet 229-0624	SA216 Gr. WCB	PRL Industries	SN 1079-73 Ht. WJ752
Body 229-0234	SA216 Gr. WCB	Lebanon Steel	SN 476-64 Ht. 7130A6
Bonnet 229-0624	SA216 Gr. WCB	PRL Industries	SN 1079-65 Ht. WJ756
Body 229-0234	SA216 Gr. WCB	Lebanon Steel	SN 476-39 Ht. 7128A11
Bonnet 229-0624	SA216 Gr. WCB	PRL Industries	SN 1079-76 Ht. WJ754
(b) Forgings			

(1) For manually operated valves only.

* Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8-1/2" x 11", (2) information in items 1, 2 and 5 on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

(1776) This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017

CUH 2 11-3-81

FORM NPV-1 (Back)

Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting			
Stud 229-3305	SA193 Gr. B7	Victor Products	Marking: "VB7 DC"
Nut 919-2409	SA194 Gr. 2H	Nuts, Inc.	Marking: "NVB"
(d) Other Parts			
Ball 229-0746	SA479 Type 316	Ryerson	Marking: "ECA"

9. Hydrostatic test 2225 psi

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump, or valve, conforms to the rules of construction of the ASME Code for Nuclear Power Plant Components. Section III, Div. 1, Edition 1977
Addenda N/A (Date) Code Case No. N/A Date 10-21-81
Signed Hills McCanna Company (Manufacturer) by Thomas G Gallant
Our ASME Certificate of Authorization No. N-2495 to use the N (N) (NPV) symbol expires 7-17-84 (Date)

CERTIFICATION OF DESIGN

Design information on file at Hills McCanna Company
Stress analysis report (Class 1 only) on file at N/A
Design specifications certified by (1) Rex R. Vaught
PE State Calif. Reg. No. M14039
Stress analysis certified by (1) N/A
PE State N/A Reg. No. N/A
(1) Signature not required. List name only.

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Illinois and employed by Lumbermens Mutual Casualty of Long Grove, Illinois have inspected the pump, or valve, described in this Data Report on 10-29- 1981 and state that to the best of my knowledge and belief, the Manufacturer has constructed this pump, or valve, in accordance with the ASME Code, Section III.

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

Date 10-29- 1981 [signature] (Inspector) Commissions Ill. 949 (Nat'l Bd., State, Prov. and No.)

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) Sheet 1 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. CONTROL ROD DRIVE	G E	6440	N/A	2CRD46-07	1981	REPLACED	YES
2. CONTROL ROD DRIVE	G E	A4650	N/A	2CRD46-07	1981	REPLACEMENT	YES
3. CONTROL ROD DRIVE BOLTS	G E	N/A	N/A	2CRD46-07	N/A	REPLACED	NO
4. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD46-07	2003	REPLACEMENT	NO
5. CONTROL ROD DRIVE	G E	7895	N/A	2CRD42-59	1978	REPLACED	YES
6. CONTROL ROD DRIVE	G E	A5222	N/A	2CRD42-59	1981	REPLACEMENT	YES
7. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD42-59	1981	REPLACED	NO

7. Description of Work SEE PAGES 21 THRU 25

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGES 21 THRU 25
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturer's Data Sheets Attached.

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Seebach Date June 17 , 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 2-6-03 to 4-15-03, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 20 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD42-59	2003	REPLACEMENT	NO
9. CONTROL ROD DRIVE	G E	A4409	N/A	2CRD42-15	1981	REPLACED	YES
10. CONTROL ROD DRIVE	G E	A5595	N/A	2CRD42-15	1981	REPLACEMENT	YES
11. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD42-15	1981	REPLACED	NO
12. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD42-15	2003	REPLACEMENT	NO
13. CONTROL ROD DRIVE	G E	A4518	N/A	2CRD18-59	1981	REPLACED	YES
14. CONTROL ROD DRIVE	G E	7837	N/A	2CRD18-59	1978	REPLACEMENT	YES
15. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD18-59	1981	REPLACED	NO
16. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD18-59	2003	REPLACEMENT	NO
17. CONTROL ROD DRIVE	G E	A4547	N/A	2CRD42-03	1981	REPLACED	YES
18. CONTROL ROD DRIVE	G E	A4027	N/A	2CRD42-03	1981	REPLACEMENT	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. CONTROL ROD DRIVE BOLTS	G E	669367	N/A	2CRD42-03	1989	REPLACED	NO
20. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD42-03	2003	REPLACEMENT	NO
21. CONTROL ROD DRIVE	G E	A9568	N/A	2CRD30-03	1993	REPLACED	YES
22. CONTROL ROD DRIVE	G E	9407	N/A	2CRD30-03	1978	REPLACEMENT	YES
23. CONTROL ROD DRIVE BOLTS	VITCO	HAL	N/A	2CRD30-03	1992	REPLACED	NO
24. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD30-03	2003	REPLACEMENT	NO
25. CONTROL ROD DRIVE	G E	A4060	N/A	2CRD50-51	1981	REPLACED	YES
26. CONTROL ROD DRIVE	G E	A5596	N/A	2CRD50-51	1981	REPLACEMENT	YES
27. CONTROL ROD DRIVE BOLTS	VITCO	HAL	N/A	2CRD50-51	1993	REPLACED	NO
28. CONTROL ROD DRIVE BOLTS 7	G E	HT: TT010J	N/A	2CRD50-51	2003	REPLACEMENT	NO
29. CONTROL ROD DRIVE BOLTS 1	ACCUTECH	HT: RW24	N/A	2CRD50-51	2001	REPLACEMENT	NO
30. CONTROL ROD DRIVE	G E	A4591	N/A	2CRD34-03	1981	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
31. CONTROL ROD DRIVE	G E	A3982	N/A	2CRD34-03	1981	REPLACEMENT	YES
32. CONTROL ROD DRIVE BOLTS	G E	669367	N/A	2CRD34-03	1989	REPLACED	NO
33. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD34-03	2003	REPLACEMENT	NO
34. CONTROL ROD DRIVE	G E	A2377	N/A	2CRD26-07	1991	REPLACED	YES
35. CONTROL ROD DRIVE	G E	A4499	N/A	2CRD26-07	1981	REPLACEMENT	YES
36. CONTROL ROD DRIVE BOLTS	VITCO	HAL	N/A	2CRD26-07	1992	REPLACED	NO
37. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD26-07	2003	REPLACEMENT	NO
38. CONTROL ROD DRIVE	G E	9169	N/A	2CRD06-15	1978	REPLACED	YES
39. CONTROL ROD DRIVE	G E	A4415	N/A	2CRD06-15	1981	REPLACEMENT	YES
40. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD06-15	1981	REPLACED	NO
41. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD06-15	2003	REPLACEMENT	NO
42. CONTROL ROD DRIVE	G E	A5473	N/A	2CRD22-59	1981	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 5 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
43. CONTROL ROD DRIVE	G E	A3802	N/A	2CRD22-59	1981	REPLACEMENT	YES
44. CONTROL ROD DRIVE BOLTS	G E	61811	N/A	2CRD22-59	1992	REPLACED	NO
45. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD06-15	2003	REPLACEMENT	NO
46. CONTROL ROD DRIVE	G E	A4631	N/A	2CRD26-35	1981	REPLACED	YES
47. CONTROL ROD DRIVE	G E	A5654	N/A	2CRD26-35	1981	REPLACEMENT	YES
48. CONTROL ROD DRIVE BOLTS	G E	N/A	N/A	2CRD26-35	1974	REPLACED	NO
49. CONTROL ROD DRIVE BOLTS	ACCUTECH	HT: 13855	N/A	2CRD26-35	2001	REPLACEMENT	NO
50. CONTROL ROD DRIVE	G E	8606	N/A	2CRD58-19	1984	REPLACED	YES
51. CONTROL ROD DRIVE	G E	9331	N/A	2CRD58-19	1978	REPLACEMENT	YES
52. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD58-19	1981	REPLACED	NO
53. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD58-19	2003	REPLACEMENT	NO
54. CONTROL ROD DRIVE	G E	A3929	N/A	2CRD18-31	1981	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 6 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
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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)
55. CONTROL ROD DRIVE	G E	4104	N/A	2CRD18-31	1981	REPLACEMENT	YES
56. CONTROL ROD DRIVE BOLTS	G E	61811	N/A	2CRD18-31	1992	REPLACED	NO
57. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD18-31	2003	REPLACEMENT	NO
58. CONTROL ROD DRIVE	G E	A3814	N/A	2CRD54-43	1981	REPLACED	YES
59. CONTROL ROD DRIVE	G E	A3483	N/A	2CRD54-43	1981	REPLACEMENT	YES
60. CONTROL ROD DRIVE BOLTS	G E	669367	N/A	2CRD54-43	1989	REPLACED	NO
61. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD54-43	2003	REPLACEMENT	NO
62. CONTROL ROD DRIVE	G E	A2563	N/A	2CRD54-35	1981	REPLACED	YES
63. CONTROL ROD DRIVE	G E	9518	N/A	2CRD54-35	1978	REPLACEMENT	YES
64. CONTROL ROD DRIVE BOLTS	G E	669367	N/A	2CRD54-35	1989	REPLACED	NO
65. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD54-35	2003	REPLACEMENT	NO
66. CONTROL ROD DRIVE	G E	8484	N/A	2CRD10-15	1978	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 7 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
67. CONTROL ROD DRIVE	G E	7824	N/A	2CRD10-15	1978	REPLACEMENT	YES
68. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD10-15	1981	REPLACED	NO
69. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD10-15	2003	REPLACEMENT	NO
70. CONTROL ROD DRIVE	G E	A5435	N/A	2CRD10-35	1981	REPLACED	YES
71. CONTROL ROD DRIVE	G E	A4289	N/A	2CRD10-35	1981	REPLACEMENT	YES
72. CONTROL ROD DRIVE BOLTS	G E	61811	N/A	2CRD10-35	1992	REPLACED	NO
73. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD10-35	2003	REPLACEMENT	NO
74. CONTROL ROD DRIVE	G E	A5487	N/A	2CRD14-27	1981	REPLACED	YES
75. CONTROL ROD DRIVE	G E	A4265	N/A	2CRD14-27	1981	REPLACEMENT	YES
76. CONTROL ROD DRIVE BOLTS	G E	HAL	N/A	2CRD14-27	1993	REPLACED	NO
77. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD14-27	2003	REPLACEMENT	NO
78. CONTROL ROD DRIVE	G E	A4288	N/A	2CRD34-07	1981	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 8 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

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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)
79. CONTROL ROD DRIVE	G E	A5211	N/A	2CRD34-07	1981	REPLACEMENT	YES
80. CONTROL ROD DRIVE BOLTS	G E	669367	N/A	2CRD34-07	1989	REPLACED	NO
81. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD34-07	2003	REPLACEMENT	NO
82. CONTROL ROD DRIVE	G E	A5594	N/A	2CRD26-55	1981	REPLACED	YES
83. CONTROL ROD DRIVE	G E	A5479	N/A	2CRD26-55	1981	REPLACEMENT	YES
84. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD26-55	1981	REPLACED	NO
85. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD26-55	2003	REPLACEMENT	NO
86. CONTROL ROD DRIVE	G E	A4571	N/A	2CRD46-11	1981	REPLACED	YES
87. CONTROL ROD DRIVE	G E	7790	N/A	2CRD46-11	1978	REPLACEMENT	YES
88. CONTROL ROD DRIVE BOLTS	G E	N/A	N/A	2CRD46-11	N/A	REPLACED	NO
89. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD46-11	2003	REPLACEMENT	NO
90. CONTROL ROD DRIVE	G E	A1059	N/A	2CRD18-39	1978	REPLACED	YES

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1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 9 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

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769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

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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)
91. CONTROL ROD DRIVE	G E	A5500	N/A	2CRD18-39	1981	REPLACEMENT	YES
92. CONTROL ROD DRIVE BOLTS	G E	CD5N842	N/A	2CRD18-39	1981	REPLACED	NO
93. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD18-39	2003	REPLACEMENT	NO
94. CONTROL ROD DRIVE	G E	A4707	N/A	2CRD06-43	1981	REPLACED	YES
95. CONTROL ROD DRIVE	G E	A4433	N/A	2CRD06-43	1981	REPLACEMENT	YES
96. CONTROL ROD DRIVE BOLTS	G E	61811	N/A	2CRD06-43	1992	REPLACED	NO
97. CONTROL ROD DRIVE BOLTS	G E	HT: TT010J	N/A	2CRD06-43	2003	REPLACEMENT	NO
98. STEP STUD	A&M	1	N/A	HV241F028D	1986	REPAIRED	YES
99. STEP STUD	A&M	4	N/A	HV241F028D	1986	REPAIRED	YES
100. STEP STUD	A&M	6	N/A	HV241F028D	1986	REPAIRED	YES
101. STEP STUD	A&M	7	N/A	HV241F028D	1986	REPAIRED	YES
102. STEP STUD	A&M	11	N/A	HV241F028D	1986	REPAIRED	YES
103. STEP STUD	A&M	3	N/A	HV241F028D	1986	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 10 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
104.STEP STUD	NOVA	HT: M86243	N/A	HV241F028D	2002	REPLACEMENT	NO
105.STEP STUD	NOVA	HT: M86243	N/A	HV241F028D	2002	REPAIRED	NO
106.STEP STUD	A&M	9	N/A	HV241F028D	1986	REPLACED	YES
107.STEP STUD	NOVA	HT: A557	N/A	HV241F028D	2002	REPLACEMENT	NO
108.STEP STUD	NOVA	HT: A557	N/A	HV241F028D	2002	REPAIRED	NO
109.MSRV NOZZLE	CROSBY	N93184-34-0018	N/A	MSRV SER# N63790-00-0022	1982	REPAIRED	YES
110.MSRV DISC INSERT	CROSBY	N93185-37-0071	N/A	MSRV SER# N63790-00-0022	1982	REPLACED	YES
111.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-38-0071	N/A	MSRV SER# N63790-00-0022	2001	REPLACEMENT	YES
112.MSRV SPINDLE ASSEMBLY	CROSBY	K62873-32-0032	N/A	MSRV SER# N63790-00-0022	1982	REPLACED	YES
113.MSRV SPINDLE ASSEMBLY	ANDERSON GREENWOOD	K82137-56-0094	N/A	MSRV SER# N63790-00-0022	2002	REPLACEMENT	YES
114.MSRV LOAD PLATE	CROSBY	D00373	N/A	MSRV SER# N63790-00-0022	1982	REPAIRED	YES
115.MSRV ADJ BOLT BUTTON	CROSBY	K63618-32-0029	N/A	MSRV SER# N63790-00-0022	1982	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 11 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
116.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-32-0026	N/A	MSRV SER# N63790-00-0022	1982	REPAIRED	YES
117.MSRV LOWER SPRING WASHER	CROSBY	K62857-32-0027	N/A	MSRV SER# N63790-00-0022	1982	REPAIRED	YES
118.MSRV ASSEMBLY	CRSOBY	N63790-00-0023	N/A	PSV241F013B	1982	REPLACED	YES
119.MSRV ASSEMBLY	CRSOBY	N63790-00-0022	N/A	PSV241F013B	1982	REPLACEMENT	YES
120.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013B	1982	REPLACED	YES
121.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013B	2002	REPLACEMENT	NO
122.MSRV NOZZLE	CROSBY	N93184-33-0069	N/A	MSRV SER# N63790-00-0128	1982	REPAIRED	YES
123.MSRV DISC INSERT	CROSBY	N93185-57-0257	N/A	MSRV SER# N63790-00-0128	1982	REPLACED	YES
124.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-38-0073	N/A	MSRV SER# N63790-00-0128	2001	REPLACEMENT	YES
125.MSRV SPINDLE ASSEMBLY	CROSBY	K62873-41-0040	N/A	MSRV SER# N63790-00-0128	1982	REPLACED	YES
126.MSRV SPINDLE ASSEMBLY	ANDERSON GREENWOOD	K82137-56-0096	N/A	MSRV SER# N63790-00-0128	2002	REPLACEMENT	YES
127.MSRV LOAD PLATE	CROSBY	D00373-0006	N/A	MSRV SER# N63790-00-0128	1982	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 12 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case

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

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
128.MSRV ADJ BOLT BUTTON	CROSBY	K63618-34-0124	N/A	MSRV SER# N63790-00-0128	1982	REPAIRED	YES
129.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-34-0120	N/A	MSRV SER# N63790-00-0128	1982	REPAIRED	YES
130.MSRV LOWER SPRING WASHER	CROSBY	K62857-40-0036	N/A	MSRV SER# N63790-00-0128	1982	REPAIRED	YES
131.MSRV INLET STUD 1,8, 11	CROSBY	N/A	N/A	MSRV SER# N63790-00-0128	1982	REPLACED	NO
132.MSRV INLET STUD 1,8, 11	ALLIED NUT & BOLT	HT: D91	N/A	MSRV SER# N63790-00-0128	1996	REPLACEMENT	NO
133.MSRV ASSEMBLY	CRSOBY	N63790-00-0083	N/A	PSV241F013D	1981	REPLACED	YES
134.MSRV ASSEMBLY	CRSOBY	N63790-00-0128	N/A	PSV241F013D	1982	REPLACEMENT	YES
135.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013D	1981	REPLACED	YES
136.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013D	2003	REPLACEMENT	NO
137.MSRV NOZZLE	CROSBY	N93184-34-0017	N/A	MSRV SER# N63790-00-0130	1982	REPAIRED	YES
138.MSRV DISC INSERT	CROSBY	N93185-36-0142	N/A	MSRV SER# N63790-00-0130	1982	REPLACED	YES
139.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-38-0068	N/A	MSRV SER# N63790-00-0130	2001	REPLACEMENT	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 13 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
140.MSRV LOAD PLATE	CROSBY	106074-99-00128	N/A	MSRV SER# N63790-00-0130	1982	REPAIRED	YES
141.MSRV ADJ BOLT BUTTON	CROSBY	K63618-35-0126	N/A	MSRV SER# N63790-00-0130	1982	REPAIRED	YES
142.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-34-0122	N/A	MSRV SER# N63790-00-0130	1982	REPAIRED	YES
143.MSRV LOWER SPRING WASHER	CROSBY	K62857-96-0006	N/A	MSRV SER# N63790-00-0130	1982	REPAIRED	YES
144.MSRV INLET STUD 1 & 12	CROSBY	N/A	N/A	MSRV SER# N63790-00-0130	1982	REPLACED	NO
145.MSRV INLET STUD 1 & 12	ALLIED NUT & BOLT	HT: D91 HT: AYF	N/A	MSRV SER# N63790-00-0130	1996	REPLACEMENT	NO
146.MSRV ASSEMBLY	CRSOBY	N63790-00-0024	N/A	PSV241F013F	1980	REPLACED	YES
147.MSRV ASSEMBLY	CRSOBY	N63790-00-0130	N/A	PSV241F013F	1982	REPLACEMENT	YES
148.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013F	1980	REPLACED	YES
149.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013F	2003	REPLACEMENT	NO
150.MSRV NOZZLE	CROSBY	N93184-99-0139	N/A	MSRV SER# N63790-00-0027	1980	REPLACED	YES
151.MSRV NOZZLE	CROSBY	N93184-57-0175	N/A	MSRV SER# N63790-00-0027	1998	REPLACEMENT	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 14 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
152.MSRV DISC INSERT	CROSBY	N93185-55-0232	N/A	MSRV SER# N63790-00-0027	1980	REPLACED	YES
153.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-37-0051	N/A	MSRV SER# N63790-00-0027	2001	REPLACEMENT	YES
154.MSRV SPINDLE ASSEMBLY	CROSBY	K62873-41-0129	N/A	MSRV SER# N63790-00-0027	1980	REPLACED	YES
155.MSRV SPINDLE ASSEMBLY	ANDERSON GREENWOOD	K82137-56-0093	N/A	MSRV SER# N63790-00-0027	2002	REPLACEMENT	YES
156.MSRV LOAD PLATE	CROSBY	106074-99-0055	N/A	MSRV SER# N63790-00-0027	1980	REPAIRED	YES
157.MSRV ADJ BOLT BUTTON	CROSBY	K63618-32-0034	N/A	MSRV SER# N63790-00-0027	1980	REPAIRED	YES
158.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-32-0031	N/A	MSRV SER# N63790-00-0027	1980	REPAIRED	YES
159.MSRV LOWER SPRING WASHER	CROSBY	K62857-32-0018	N/A	MSRV SER# N63790-00-0027	1980	REPAIRED	YES
160.MSRV INLET STUD 1 & 12	CROSBY	N/A	N/A	MSRV SER# N63790-00-0027	1980	REPLACED	NO
161.MSRV INLET STUD 1 & 12	ALLIED NUT & BOLT	HT: D91	N/A	MSRV SER# N63790-00-0027	1996	REPLACEMENT	NO
162.MSRV ASSEMBLY	CRSOBY	N63790-00-0026	N/A	PSV241F013H	1980	REPLACED	YES
163.MSRV ASSEMBLY	CRSOBY	N63790-00-0027	N/A	PSV241F013H	1980	REPLACEMENT	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 15 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
164.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013H	1980	REPLACED	YES
165.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013H	2002	REPLACEMENT	NO
166.MSRV NOZZLE	CROSBY	N93184-32-0028	N/A	MSRV SER# N63790-00-0020	1980	REPAIRED	YES
167.MSRV DISC INSERT	CROSBY	N93185-32-0028	N/A	MSRV SER# N63790-00-0020	1980	REPLACED	YES
168.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-38-0070	N/A	MSRV SER# N63790-00-0020	2001	REPLACEMENT	YES
169.MSRV LOAD PLATE	CROSBY	N/A	N/A	MSRV SER# N63790-00-0020	1980	REPAIRED	YES
170.MSRV ADJ BOLT BUTTON	CROSBY	K63618-32-0027	N/A	MSRV SER# N63790-00-0020	1980	REPAIRED	YES
171.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-32-0024	N/A	MSRV SER# N63790-00-0020	1980	REPAIRED	YES
172.MSRV LOWER SPRING WASHER	CROSBY	K62857-32-0025	N/A	MSRV SER# N63790-00-0020	1980	REPAIRED	YES
173.MSRV DUAL-DIA INLET STUD 9	CROSBY	N/A	N/A	MSRV SER# N63790-00-0020	N/A	REPLACED	NO
174.MSRV DUAL-DIA INLET STUD 9	NOVA	HT: C100	N/A	MSRV SER# N63790-00-0020	2001	REPLACEMENT	NO
175.MSRV ASSEMBLY	CRSOBY	N63790-00-0025	N/A	PSV241F013K	1980	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 16 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
176.MSRV ASSEMBLY	CRSOBY	N63790-00-0020	N/A	PSV241F013K	1980	REPLACEMENT	YES
177.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013K	1980	REPLACED	YES
178.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013K	2003	REPLACEMENT	NO
179.MSRV NOZZLE	CROSBY	N93184-38-0066	N/A	MSRV SER# N63790-00-0019	1980	REPAIRED	YES
180.MSRV DISC INSERT	CROSBY	N93185-338-0096	N/A	MSRV SER# N63790-00-0019	1980	REPLACED	YES
181.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-38-0074	N/A	MSRV SER# N63790-00-0019	2001	REPLACEMENT	YES
182.MSRV SPINDLE ASSEMBLY	CROSBY	K62873-32-0026	N/A	MSRV SER# N63790-00-0019	1980	REPLACED	YES
183.MSRV SPINDLE ASSEMBLY	ANDERSON GREENWOOD	K82137-56-0095	N/A	MSRV SER# N63790-00-0019	2002	REPLACEMENT	YES
184.MSRV LOAD PLATE	CROSBY	D00373-0003	N/A	MSRV SER# N63790-00-0019	1980	REPAIRED	YES
185.MSRV ADJ BOLT BUTTON	CROSBY	K63618-32-0026	N/A	MSRV SER# N63790-00-0019	1980	REPAIRED	YES
186.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-32-0023	N/A	MSRV SER# N63790-00-0019	1980	REPAIRED	YES
187.MSRV LOWER SPRING WASHER	CROSBY	K62857-32-0026	N/A	MSRV SER# N63790-00-0019	1980	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) Sheet 17 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
188.MSRV ASSEMBLY	CRSOBY	N63790-00-0031	N/A	PSV241F013L	1980	REPLACED	YES
189.MSRV ASSEMBLY	CRSOBY	N63790-00-0019	N/A	PSV241F013L	1980	REPLACEMENT	YES
190.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013L	1980	REPLACED	YES
191.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013L	2003	REPLACEMENT	NO
192.MSRV NOZZLE	CROSBY	N93184-37-0034	N/A	MSRV SER# N63790-00-0133	1982	REPAIRED	YES
193.MSRV DISC INSERT	CROSBY	N93185-59-0260	N/A	MSRV SER# N63790-00-0133	1982	REPLACED	YES
194.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-38-0069	N/A	MSRV SER# N63790-00-0133	2001	REPLACEMENT	YES
195.MSRV SPINDLE ASSEMBLY	CROSBY	K62873-41-0048	N/A	MSRV SER# N63790-00-0133	1980	REPLACED	YES
196.MSRV SPINDLE ASSEMBLY	ANDERSON GREENWOOD	K82137-56-0097	N/A	MSRV SER# N63790-00-0133	2002	REPLACEMENT	YES
197.MSRV LOAD PLATE	CROSBY	N/A	N/A	MSRV SER# N63790-00-0133	1982	REPAIRED	YES
198.MSRV ADJ BOLT BUTTON	CROSBY	K63618-35-0129	N/A	MSRV SER# N63790-00-0133	1982	REPAIRED	YES
199.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-35-0125	N/A	MSRV SER# N63790-00-0133	1982	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 18 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
200.MSRV LOWER SPRING WASHER	CROSBY	K62857-40-0046	N/A	MSRV SER# N63790-00-0133	1982	REPAIRED	YES
201.MSRV ASSEMBLY	CRSOBY	N63790-00-0033	N/A	PSV241F013N	1982	REPLACED	YES
202.MSRV ASSEMBLY	CRSOBY	N63790-00-0133	N/A	PSV241F013N	1982	REPLACEMENT	YES
203.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013N	1982	REPLACED	YES
204.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013N	2002	REPLACEMENT	NO
205.MSRV NOZZLE	CROSBY	N93184-32-0036	N/A	MSRV SER# N63790-00-0112	1981	REPAIRED	YES
206.MSRV DISC INSERT	CROSBY	N93185-59-0261	N/A	MSRV SER# N63790-00-0112	1981	REPLACED	YES
207.MSRV DISC INSERT	ANDERSON GREENWOOD	N97499-38-0072	N/A	MSRV SER# N63790-00-0112	2001	REPLACEMENT	YES
208.MSRV SPINDLE ASSEMBLY	CROSBY	K62873-38-0117	N/A	MSRV SER# N63790-00-0112	1980	REPLACED	YES
209.MSRV SPINDLE ASSEMBLY	ANDERSON GREENWOOD	K82137-55-0091	N/A	MSRV SER# N63790-00-0112	2001	REPLACEMENT	YES
210.MSRV LOAD PLATE	CROSBY	106074-99-0118	N/A	MSRV SER# N63790-00-0112	1981	REPAIRED	YES
211.MSRV ADJ BOLT BUTTON	CROSBY	K63618-33-0077	N/A	MSRV SER# N63790-00-0112	1981	REPAIRED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 19 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
212.MSRV THRUST BEARING ADAPTER	CROSBY	N93409-33-0070	N/A	MSRV SER# N63790-00-0112	1981	REPAIRED	YES
213.MSRV LOWER SPRING WASHER	CROSBY	K62857-37-0105	N/A	MSRV SER# N63790-00-0112	1981	REPAIRED	YES
214.MSRV INLET STUD 1 & 2	CROSBY	N/A	N/A	MSRV SER# N63790-00-0112	1981	REPLACED	NO
215.MSRV INLET STUD 1 & 2	ALLIED NUT & BOLT	HT: AYF	N/A	MSRV SER# N63790-00-0112	1996	REPLACEMENT	NO
216.MSRV ASSEMBLY	CRSOBY	N63790-00-0082	N/A	PSV241F013R	1982	REPLACED	YES
217.MSRV ASSEMBLY	CRSOBY	N63790-00-0112	N/A	PSV241F013R	1981	REPLACEMENT	YES
218.MSRV INLET NUTS	CROSBY	N/A	N/A	PSV241F013R	1982	REPLACED	YES
219.SUPERBOLT NUT ASSEMBLIES	NOVA	N/A	N/A	PSV241F013R	2002	REPLACEMENT	NO
220.REACTOR PRESSURE VESSEL	CHICAGO BRIDGE & IRON	B5024	3687	2S401	1977	REPAIRED	YES
221.LARGE PIPE ASSEMBLY	BECHTEL	N/A	N/A	DBA212-1	1983	REPLACED	YES
222.LARGE PIPE ASSEMBLY	PPL	N/A	N/A	DBA212-1	2003	REPLACEMENT	NO
223.LARGE PIPE ASSEMBLY	BECHTEL	N/A	N/A	DCA211-3	1983	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 20 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
224. LARGE PIPE ASSEMBLY	PPL	N/A	N/A	DCA211-3	2003	REPLACEMENT	NO
225. IN-CORE DRY TUBE	GE	N/A	N/A	16-21	1980	REPLACED	YES
226. IN-CORE DRY TUBE	GE	00S12191	N/A	16-21	2001	REPLACEMENT	YES
227. IN-CORE DRY TUBE	GE	N/A	N/A	24-49	1980	REPLACED	YES
228. IN-CORE DRY TUBE	GE	00S12191	N/A	24-49	2001	REPLACEMENT	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 21 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, 3, & 4	03-262-001 359498	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
5, 6, 7, & 8	03-262-002 359477	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
9, 10, 11, & 12	03-262-003 359494	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
13, 14, 15, & 16	03-262-004 359495	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed No Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
17, 18, 19, & 20	03-262-005 359496	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
21, 22, 23, & 24	03-262-006 359487	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed No Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
25, 26, 27, 28, & 29	03-262-007 359490	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
30, 31, 32, & 33	03-262-008 359476	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
34, 35, 36, & 37	03-262-009 359491	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
38, 39, 40, & 41	03-262-010 359493	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 22 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
42, 43, 44, & 45	03-262-011 359499	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
46, 47, 48, & 49	03-262-012 359502	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
50, 51, 52, & 53	03-262-013 359484	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed No Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
54, 55, 56, & 57	03-262-014 358629	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
58, 59, 60, & 61	03-262-015 359471	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
62, 63, 64, & 65	03-262-016 359486	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed No Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
66; 67; 68; & 69	03-262-017 352253	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed No Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
70, 71, 72, & 73	03-262-018 229947	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
74, 75, 76, & 77	03-262-019 229955	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
78, 79, 80, & 81	03-262-020 229969	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 23 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
82, 83, 84, & 85	03-262-021 229975	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
86, 87, 88, & 89	03-262-022 229976	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed No Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
90, 91, 92 & 93	03-262-023 294632	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
94, 95, 96, & 97	03-262-024 359485	REPLACE CRD AND ASSOCIATED BOLTS	1971 Ed W72 Ad 1986 Ed No Ad	1361	SE-200-002 ISI-03-630	1041 PSIG	146 °F
98 to 102	03-262-025 386607	MACHINE FLAT TOP ON MSIV STEP STUDS FOR UT	1971 Ed S71 Ad	N/A	NONE	N/A	N/A
103 to 108	03-262-025 386607	REPLACE EXISTING STEP STUDS AND MACHINE FLAT TOP ON REPLACEMENT STEP STUDS FOR UT	1971 Ed S71 Ad 1989 Ed No Ad	N/A	NONE	N/A	N/A
109 to 117	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0022 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad	1567 1711	NONE	N/A	N/A
118 to 121	03-262-026 339504	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
122 to 132	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0128 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad	1567 1711	NONE	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 24 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
133 to 136	03-262-027 375811	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
137 to 145	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0130 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad	1567 1711	NONE	N/A	N/A
146 to 149	03-262-028 339500	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
150 to 161	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0027 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad	1567 1711	NONE	N/A	N/A
162 to 165	03-262-029 339505	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
166 to 174	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0020 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad 1980 Ed W80 Ad	1567 1711	NONE	N/A	N/A
175 to 178	03-262-030 339507	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
179 to 187	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0019 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad	1567 1711	NONE	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 02-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 25 of 25

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 21 THRU 25 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
188 to 191	03-262-031 339508	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
192 to 200	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0133 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad	1567 1711	NONE	N/A	N/A
201 to 204	03-262-032 339499	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
205 to 215	02-262-002 371373 SO# 150594	REFURBISH MSRV SR# N63790-00-0112 AND IMPLEMENT FLEXIDISC MODIFICATION PER RIE 277275	1971 Ed No Ad 1974 Ed S75 Ad	1567 1711	NONE	N/A	N/A
216 to 219	03-262-033 339506	REPLACE MSRV AND REPLACE INLET NUTS WITH SUPER BOLT NUT ASSEMBLIES	1971 Ed No Ad	1567 1711	SE-200-002 ISI-03-630	1041 PSIG	146 °F
220	03-262-034 405579	REMOVAL OF METALLURGICAL SAMPLES FORM CORE SHROUD & TOP GUIDE	GE Spec 21A3319 1968 Ed S70 Ad	1141-1 1441-1	NONE	N/A	N/A
221 to 224	03-262-035 371290	REPLACE BOLTING AT FLANGE LOCATION M1 ON DBA212-1 M1 & M2 ON DCA211-3	1989 Ed No Ad	N/A	SE-200-002 ISI-03-630	1041 PSIG	146 °F
225 to 228	03-262-037 298723	REPLACE SRM / IRM INCORE DRY TUBES	1971 Ed S73 Ad	N/A	SE-200-002 ISI-03-630	1041 PSIG	146 °F

**Revised March 4, 2003. DET 15-AUG-4-MAR-03 KM 3-4-03

*Revised August 15, 2002. DET 15-AUG-02 KM 8-15-02

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)

2. Manufactured for PPL SERVICES CORP.
(Name and Address of Purchaser or Owner)

3. Location of Installation SUSQUEHANNA SES
(Name and Address)

4. Type DS-C-63790-4REV.A (drawing no.) | BELOW (mat'l. spec. no.) | BELOW (tensile strength) | – (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | NO ADDENDA (addenda date) | 1 (class) | **1711 — DET 4-MAR-03 KM 3-4-03 (Code Case No.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) – (no.) Revision – Date –

7. Remarks SPINDLE POINT MATERIAL - ASTM A564 TYPE 630 - TENSILE - 140,000
SPINDLE BALL MATERIAL - ASTM A276 TYPE 440C - TENSILE - N/A

8. Nom. thickness (in.) – Min. design thickness (in.) – Dia. ID (ft & in.) – Length overall (ft & in.) –

9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	K82137-56-0093	—	(26)		
(2)	K82137-56-0094	—	(27)		
(3)	K82137-56-0095	—	(28)		
(4)	K82137-56-0096	—	(29)		
* (5)	K82137-56-0096 0097 DET KM 8-15-02 15-AUG-02	—	(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure – psi. Temp. – °F Hydro. test pressure – at temp. – °F (when applicable)

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

Q.C.-392

Form N-2 (Back) Sheet 2 of 2

Certificate Holder's Serial No. K82137-56-0093

CERTIFICATE OF DESIGN

Design specifications certified by C.T. NIEH P.E. State CA Reg. no. 15587
(when applicable)

Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Spindle Assemblies conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2004 * D.E. Tuttle
Anderson Greenwood Crosby

Date 7-AUG-02 Signed Wrentham, MA by D.E. Tuttle
(NPT Certificate Holder) (Authorized Representative)

* 15-AUG-02 **Date 4-MAR-03 Signed D.E. Tuttle

CERTIFICATE OF INSPECTION

* [signature] MA-1418 * 8-15-02
ANI Date

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of ~~Massachusetts~~ New York and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island ~~of Alaska~~ have inspected these items described in this Data Report on August 7, 20 02 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

**Date 3-4-03 ANI [signature] MA-1418

Date August 7, 20 02.

Signed [signature]
(Authorized Inspector)

Commissions NB 7506
(Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

tyco

Flow Control

Rita Westberg
Q.A. Record
Specialist

Anderson Greenwood Crosby
43 Kendrick Street
Wrentham, MA 02093

Tele: 508-384-4534
Fax: 508-384-7984

e-mail:
rwestberg@tycovalves.com

Telefax Transmission

Date: 04 MARCH 03.
Company: PPL Services
Attention: Tony Tier
Fax No.: 570 542 3898
From: Rita Westberg
Subject: U4F3180000 Data Report Revision
Number of pages *(including this* 3

For Information Only

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)

2. Manufactured for PENNSYLVANIA POWER & LIGHT CO.
(Name and Address of Purchaser or Owner)

3. Location of Installation SUSQUEHANNA STATION
(Name and Address)

4. Type DS-A-63790-4 REV A (drawing no.) | SA637 GR.718 (mat'l. spec. no.) | 185,000 (tensile strength) | – (CRN) | 2001 (year built)

5. ASME Code, Section III, Division 1: 1974 (edition) | SUMMER 1975 (addenda date) | 1 (class) | 1711 (Code Case No.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) – (no.) Revision – Date –

7. Remarks

8. Nom. thickness (in.) – Min. design thickness (in.) – Dia. ID (ft & in.) – Length overall (ft & in.) –

9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	N97499-38-0068	—	(26)		
(2)	N97499-38-0069	—	(27)		
(3)	N97499-38-0070	—	(28)		
(4)	N97499-38-0071	—	(29)		
(5)	N97499-38-0072	—	(30)		
(6)	N97499-38-0073	—	(31)		
(7)	N97499-38-0074	—	(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure – psi. Temp. – ° F Hydro. test pressure 2370 (when applicable) at temp. 70 ° F

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

For Information Only

Form N-2 (Back)

Certificate Holder's Serial No. N97499-38-0068

CERTIFICATE OF DESIGN

Design specifications certified by M.R. MJAATVEDT P.E. State PA Reg. no. 35285-E
(when applicable)

Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Disc Inserts conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001

Date June 19, 2001 Signed Anderson Greenwood Crosby Wrentham, MA by _____
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Report on June 19, 20 01 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 6-19, 20 01

Signed _____ Commissions MA-1418 N
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

**Revised May 4, 2001 KHH 05-04-01

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)
2. Manufactured for PENNSYLVANIA POWER & LIGHT
(Name and Address of Purchaser or Owner)
3. Location of installation SUSQUEHANNA SES STOREROOM
(Name and Address)
4. Type DS-A-63790-4 REV 0 (drawing no.) SA637 GR.718 (mat'l. spec. no.) 185,000 (tensile strength) – (CRN) 2001 (year built)
5. ASME Code, Section III, Division 1: 1974 (edition) SUMMER 1975 (addenda date) 1 (class) **1711 — 05-04-0 (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) – (no.) Revision – Date –
7. Remarks

8. Nom. thickness (in.) –. Min. design thickness (in.) – Dia. ID (ft & in.) – Length overall (ft & in.) –
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	N97499-36-0038	—	(26)		
(2)	N97499-36-0039	—	(27)		
(3)	N97499-37-0044	—	(28)		
(4)	N97499-37-0046	—	(29)		
(5)	N97499-37-0047	—	(30)		
(6)	N97499-37-0048	—	(31)		
(7)	N97499-37-0049	—	(32)		
(8)	N97499-37-0050	—	(33)		
(9)	N97499-37-0051	—	(34)		
(10)	N97499-37-0052	—	(35)		
(11)	N97499-37-0053	—	(36)		
(12)	N97499-37-0054	—	(37)		
(13)	N97499-37-0056	—	(38)		
(14)	N97499-37-0057	—	(39)		
(15)	N97499-37-0058	—	(40)		
(16)	N97499-37-0059	—	(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure – psi. Temp. – ° F Hydro. test pressure 2370 at temp. 70 ° F (when applicable)

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

Form N-2 (Back)

Q.C.-392
Sheet 2 of 2

Certificate Holder's Serial No. N97499-36-0038

CERTIFICATE OF DESIGN

Design specifications certified by M.R. MJAATVEDT P.E. State PA Reg. no. 35285-E
(when applicable)

Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Disc Inserts conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001

Date 23rd FEB, 2001 Signed Anderson Greenwood Crosby Wrentham, MA by _____
(NPT Certificate Holder) (Authorized Representative)

** 4th MAY, 01

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Report on February 23, 20 01 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

** _____ MA-1418 N 05-04-01
ANI Date

Date 2-23, 20 01.

Signed _____ Commissions MA-1418 N
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

For Information Only

**Revised 3/23/01 3/23/01 3/23/01

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Crosby Valve Inc., 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)
2. Manufactured for PENNSYLVANIA POWER & LIGHT
(Name and Address of Purchaser or Owner)
3. Location of Installation SUSQUEHANNA SES STOREROOM
(Name and Address)
4. Type DS-A-63790 REV.E (drawing no.) ASME SA182 GR.F316 (mat'l. spec. no.) 75,000 (tensile strength) ~~3/23/01~~ No Addenda (CRN) 1998 (year built)
5. ASME Code, Section III, Division 1: **-~~1974~~ 1971 (edition) **SUMMER ~~1975~~ (addenda date) 1 (class) **1711 (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) – (no.) Revision – Date –
7. Remarks
8. Nom. thickness (in.) – Min. design thickness (in.) – Dia. ID (ft & in.) – Length overall (ft & in.) –
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	N93184-57-0175	–	(26)		
(2)	N93184-57-0176	–	(27)		
(3)	N93184-57-0177	–	(28)		
(4)			(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure – psi. Temp. – °F Hydro. test pressure 2370 (when applicable) at temp. 70 °F

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

For Information Only

Form N-2 (Back)

Q.C.-392
Sheet 2 of 2

Certificate Holder's Serial Nos. N93184-57-0175

CERTIFICATE OF DESIGN

Design specifications certified by C.T. NIEH P.E. State CA Reg. no. 15587
(when applicable)

Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Nozzles conforms to the rules of construction of the ASME Code, Section III, Division 1.

** [signature] AGC 3/25/01 Date

NPT Certificate of Authorization No. N-1877 Expires 30 Sep. 2001

Date 28AUG98 Signed Crosby Valve Inc. by [signature]
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by * Protection Mutual Insurance Co of Norwood Massachusetts have inspected these items described in this Data Report on August 28, 19 98 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

** [signature] ANI Date 3/23/01

Date 8-28, 19 98

Signed [signature] Commissions MA-1418 NI
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

* Factory Mutual System

TOTAL P.08

or Information Only

WORK ORDER NUMBER: 647

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by GE Reuter-Stokes, Inc., 6499 Darrow Road, Twinsburg, Ohio 44087
(name and address of NPT Certificate Holder)
2. Manufactured for Susquehanna 1/2 - PP&L, Five Miles N.E. of Berwick, Pennsylvania
(name and address of Purchaser)
3. Location of installation Susquehanna 1/2 - PP&L, Five Miles N.E. of Berwick, Pennsylvania
(name and address)
4. Type: RS-E5-1500-201 (drawing no.) N/A (mat'l spec. no.) N/A (tensile strength) N/A (CRN) 2001 (year built)
5. ASME Code, Section III, Division 1: 1971 (edition) Summer 1973 (addenda date) 1 (class) N/A (Code Case no.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A
7. Remarks: Certified Design Specification CDS-C-5600-1
Certified Design Report CDR-C-5600-16
On File at GE Reuter-Stokes, Inc.
8. Nom. thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A
9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	00S12190	N/A
(2)	00S12191	N/A
(3)		
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		
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(18)		
(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
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(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 PSIG psi. Temp. Vessel 575°F. Seal 300°F. Hydro. test pressure 1925 PSIG (when applicable) at temp. 69 °F.

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

For Information Only

WORK ORDER NUMBER: 647

FORM N-2 (Back - Pg. 2 of 2)

Certificate Holder's Serial Nos. N/A through N/A

CERTIFICATION OF DESIGN

Design specifications certified by Bill A. Balazs (when applicable) P.E. State CA Reg. no. MF348

Design report* certified by Surinder L. Kampani (when applicable) P.E. State OH Reg. no. E-034113

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Assemblies conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-2703 Expires September 16, 2003

Date January 30, 2001 Name GE Reuter-Stokes, Inc. (NPT Certificate Holder) Signed Robert A. Chandler (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of OHIO and employed by H.S.B.I. & I. Co. of HARTFORD, CT have inspected these items described in this Data Report on 1-30-2001, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 1-30-2001 Signed Herbert Campbell (Authorized Inspector) Commissions NB 9117 CA,EN OH:01776 [Nat'l Bd. (incl. endorsements) and state or prov. and no.]

For Information Only

Q.C.-392
Sheet 1 of 2

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As required by the Provisions of the ASME Code, Section III, Division 1 - Not to Exceed One Day's Production

1. Manufactured and certified by Anderson Greenwood Crosby, 43 Kendrick St., Wrentham, MA 02093
(Name and Address of N Certificate Holder)
2. Manufactured for PENNSYLVANIA POWER & LIGHT
(Name and Address of Purchaser or Owner)
3. Location of Installation SUSQUEHANNA STOREROOM
(Name and Address)
4. Type DS-A-63790-4 REV.A (drawing no.) | SEE BELOW (mat'l. spec. no.) | BELOW (tensile strength) | -- (CRN) | 2001 (year built)
5. ASME Code, Section III, Division 1: 1971 (edition) | NO ADDENDA (addenda date) | 1 (class) | 1711 (Code Case No.)
6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- (no.) Revision -- Date --
7. Remarks SPINDLE MATERIAL - A564 TYPE 630 - TENSILE - 140,000
SPINDLE BALL MATERIAL - A276 TYPE 440C - TENSILE - N/A
8. Nom. thickness (in.) -- Min. design thickness (in.) -- Dia. ID (ft & in.) -- Length overall (ft & in.) --
9. When applicable, Certificate Holders' data reports are attached for each item of this report.

	Part or Appurtenance Serial Number	National Board No. in Numerical Order		Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	K82137-55-0085	---	(26)		
(2)	K82137-55-0086	---	(27)		
(3)	K82137-55-0087	---	(28)		
(4)	K82137-55-0088	---	(29)		
(5)	K82137-55-0089	---	(30)		
(6)	K82137-55-0090	---	(31)		
(7)	K82137-55-0091	---	(32)		
(8)	K82137-55-0092	---	(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure -- psi. Temp. -- ° F Hydro. test pressure --- at temp. --- ° F (when applicable)

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

This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

For Information Only
Form N-2 (Back)

Certificate Holder's Serial No. K82137-55-0085

CERTIFICATE OF DESIGN

Design specifications certified by C.T. NIEH P.E. State CA Reg. no. 15587
(when applicable)

Design report* certified by _____ P.E. State _____ Reg. no. _____
(when applicable)

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Spindle Assemblies conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1877 Expires Sep. 30, 2001

Date May 18th 01 Signed Anderson Greenwood Crosby Wrentham, MA by _____
(NPT Certificate Holder) (Authorized Representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Massachusetts and employed by Factory Mutual Insurance Co. of Johnston, Rhode Island have inspected these items described in this Data Report on May 18, 20 01 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 5-18, 20 01.

Signed _____ Commissions MA-1418 N
(Authorized Inspector) (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 03 JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RECIRC. WATER LOOPS AND JET PUMPS 264B-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. PUMP	BYRON JACKSON	711-S-0803	N/A	2P401A	1975	REPAIRED	YES
2. PUMP	BYRON JACKSON	711-S-0804	N/A	2P401B	1975	REPAIRED	YES
3. LARGE PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	DCA241-1	1983	REPLACED	YES
4. LARGE PIPE SUBASSEMBLY	PPL	N/A	N/A	DCA241-1	2003	REPLACEMENT	NO
5. LARGE PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	VRRB31-3	1983	REPLACED	YES
6. LARGE PIPE SUBASSEMBLY	PPL	N/A	N/A	VRRB31-3	2003	REPLACEMENT	NO
7. LARGE PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	VRRB31-4	1983	REPLACED	YES

7. Description of Work SEE PAGE 3OF 3

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 3 OF 3
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks None

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Owner or Owner's Designee, Title Welding Engineer Date June 17, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-12-01 to 4-15-03, 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.

William R. Rogers III Commissions NB7980 A,N,I,B,NS PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date June 18 20 03

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 03-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RECIRC. WATER LOOPS AND JET PUMPS 264B-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. LARGE PIPE SUBASSEMBLY	PPL	N/A	N/A	VRRB31-4	2003	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 03-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System RECIRC. WATER LOOPS AND JET PUMPS 264B-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1	02-264-002 325295	REMOVED PREVIOUSLY INSTALLTED ACCELEROMETER MOUNTING BLOCK	1971 Ed S71 Ad	NONE	NONE	N/A	N/A
2	02-264-003 325301	REMOVED PREVIOUSLY INSTALLTED ACCELEROMETER MOUNTING BLOCK	1971 Ed S71 Ad	NONE	NONE	N/A	N/A
3 thu 8	03-264-004 403467	REPLACEMENT OF FLANGE BOLTING AT CHEMICAL DECON CONNECTION FLANGES	1971 Ed S72 Ad 1971 Ed W72 Ad 1989 Ed No Ad	NONE	SE-200-002 ISI-03-630	1041 PSIG	146 °F

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) Date 09-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) Sheet 1 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System PRIMARY CONTAINTMENT ATMOSPHERE CONTROL 273A-II

5. (a) Applicable Construction Code III 19 71 Edition thru W72 Addend None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE DISC	TARGET ROCK	VALVE SER# 75KK-216-2	N/A	SV25776A	1982	REPLACED	YES
2. VALVE DISC	TARGET ROCK	1158	N/A	SV25776A	1997	REPLACEMENT	YES
3. VALVE	TARGET ROCK	75KK-216-2	N/A	SV25776A	1982	REPAIRED	YES
4. VALVE	VALCOR	18	N/A	SV257103B	1990	REPAIRED	YES
5. VALVE BONNET	VALCOR	18	N/A	SV257103B	1990	REPLACED	YES
6. VALVE BONNET	VALCOR	37	N/A	SV257103B	1990	REPLACEMENT	NO
7. VALVE DISC	VALCOR	K182NU	N/A	SV257103B	1990	REPLACED	YES

7. Description of Work SEE PAGE 3 OF 3

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 3 OF 3
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturer's Data Sheets Attached

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Owner or Owner's Designee, Title Welding Engineer Date JUNE 20, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-20-01 to 4-10-01, 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.

William R. Rogers III Commissions NB7980 A,N,E,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 23 20 03

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 09-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 3 OF 3 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System PRIMARY CONTAINMENT ATMOSPHERE CONTROL 273A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

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)
8. VALVE DISC	VALCOR	HX1	N/A	SV257103B	1990	REPLACEMENT	YES
9. SMALL PIPE SUB ASSEMBLY	PPL	N/A	N/A	SPHCB261-1	1991	REPLACED	NO
10. SMALL PIPE SUB ASSEMBLY	PPL	N/A	N/A	SPHCB261-1	1991	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Dat 09-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 3

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System PRIMARY CONTAINTMENT ATMOSPHERE CONTROL 273A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, None Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, & 3	01-273-001 319789	REPLACE DISC, REMOVE & INSTALL BODY TO BONNET TACK	1980 Ed W80 Ad	NONE	NONE	N/A	N/A
4 thru 10	01-273-002 319267	DISC & BONNET REPLACEMENT BY OEM SERVICE ORDER 171093-C REMOVE AND REPLACE VALVE & PIPE BY WELDING	1986 Ed No Ad 1971 Ed W72 Ad	NONE	NONE	N/A	N/A

Assigned to: ???? For Information Only

FOR INFORMATION ONLY

Expires On: \??

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Target Rock Corp.; 1966E Broadhollow Rd.; E. Farmingdale, NY 11735
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power &Light Co.; Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna SES; Berwick, PA 18603
(name and address)

4. Type 202337-1 (drawing no.) | SA479 316 (matl. spec. no.) | 75 ksi (tensile strength) | N/A (CRN) | 1997 (year built)

5. ASME Code, Section III, Division 1: 1980 (edition) | Winter 1980 (addenda date) | 2 (class) | None (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) · Revision N/A Date N/A

7. Remarks: Main Disc Assembly

Spare part for valve model no. 75KK-211, 75KK-212, 75KK-216

8. Nom. Thickness (in.) N/A Min. design thickness (in.) N/A Dia. ID (ft & in.) N/A Length overall (ft & in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order		Part or Appurtenance Serial Number	National Board NO. In Numerical Order
(1)	1142	NA	(26)		
(2)	1149		(27)		
(3)	1158		(28)		
(4)	NA		(29)		
(5)			(30)		
(6)			(31)		
(7)			(32)		
(8)			(33)		
(9)			(34)		
(10)			(35)		
(11)			(36)		
(12)			(37)		
(13)			(38)		
(14)			(39)		
(15)			(40)		
(16)			(41)		
(17)			(42)		
(18)			(43)		
(19)			(44)		
(20)			(45)		
(21)			(46)		
(22)			(47)		
(23)			(48)		
(24)			(49)		
(25)			(50)		

10. Design pressure N/A psi. Temp. N/A °F Hydro. Test pressure 165 psig (when applicable) at temp. Ambient °F

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

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300 REPRINT (7/91)

FORM N-2 (BACK - Pg. 2 of 2)

Certificate Holder's Serial Nos. 1142, 1149, 1158

CERTIFICATION OF DESIGN

Design specifications certified by L.S. Loomer (when applicable) P.E. State PA Reg. No. 19875E

Design report* certified by Not Applicable (when applicable) P.E. State - Reg. No. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Parts conforms to the rules for construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N-1948 Expires 12/12/98

Date 12/15/97 Name Target Rock (NPT Certificate Holder) Signed _____ R. E. Glazier, Manager, Q.E. (authorized representative)

CERTIFICATE OF 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 New York and employed by Commercial Union Insurance Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on 12/15/97 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 12/15/97 Signed _____ (Authorized Inspector) Commissions NY 2597 (Nat'l. Bd. (incl. endorsements) and state or prov. and no.)

or Information Only

9 3 2 1 5 4 2 1 2 5 7

FORM N-2 N OR NPT CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

N49286 — As Required by the Provisions of the ASME Code, Section III, Division 1 Not To Exceed One Day's Production — VALCOR # HX

1. Manufactured and certified by Valcor Engineering Corp., Springfield, NewJersey
(name and address of certificate holder)

2. Manufactured for Pennsylvania Power and Light, Allentown, Pa.
(name and address of purchaser)

3. Location of installation Susquehanna Nuclear Power Plant, Berwick, Pa.
(name and address)

4. Type V52646-5960-1 (drawing no.) SA-479 (mat'l. spec. no.) 75000 psi (tensile strength) NA (CRN) 1990 (year built)

5. ASME Code, Section III: 1986 (edition) NA (addenda) 2 (class) NA (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) -- (No.) Revision -- Date --

7. Remarks: Spare disc for valve P/N 233150001.

Disc has NOT been pressure tested. Disc is marked with "NPT" and S/N's HX1 and HX2.

8. Nom. thickness (in.) NA Min. design thickness (in.) NA Dia. ID (ft. & in.) NA Length overall (ft. & in.) NA

9. When applicable, Certificate Holders' data reports are attached for each item of this report:

Part or Appurtenance Serial Number PN V52646-5960-1	National Board No. in Numerical Order
(1) HX1	--
(2) HX2	--
(3)	
(4)	
(5)	
(6)	
(7)	
(8)	
(9)	
(10)	
(11)	
(12)	
(13)	
(14)	
(15)	
(16)	
(17)	
(18)	
(19)	
(20)	
(21)	
(22)	
(23)	
(24)	
(25)	

Part or Appurtenance Serial Number	National Board Number in Numerical Order
(26)	
(27)	
(28)	
(29)	
(30)	
(31)	
(32)	
(33)	
(34)	
(35)	
(36)	
(37)	
(38)	
(39)	
(40)	
(41)	
(42)	
(43)	
(44)	
(45)	
(46)	
(47)	
(48)	
(49)	
(50)	

10. Design pressure 204 psi Temp. 350 °F. Hydro. test pressure NA (when applicable) at temp. °F.

*Supplemental information in form of lists, sketches or drawings may be used provided (1) size is 8½ x 11, (2) information in items 2 and 3 on this data report is included on each sheet, (3) each sheet is numbered and number of sheets is recorded at top of this form, and (4) each additional sheet shall be signed by the Certificate Holder and the ANI.

(6/83) This form (E00040) may be obtained from the Order Dept. ASME 345 E 47th St. [illegible]

Information Only

VALCOR # HX

FORM N-2 (back)

CERTIFICATE OF DESIGN

Design specifications certified by Steven M. Gresdo P. E. state *(1) Reg. no. *(2)

Design report* certified by NA (*when applicable) P. E. state NA Reg. no. NA

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Discs conform to the rules of construction of the ASME Code, Section III.

ASME Certificate of Authorization no. N1077 Expires May 6, 1993

Date 07/09/90 Name Valcor Engineering Corp. (NPT Certificate holder) Signed (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the state or province of New Jersey and employed by Factory Mutual System - Allendale Ins. Company of Norwood, Mass. have inspected these items described in this data report on 07/09/90 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 07/09/90 Signed (authorized inspector) Commissions NJ 835 (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

*(1) Pennsylvania
*(2) 20080-E

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 11 JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 283A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE DISC	ANCHOR DARLING	R388	N/A	HV241F016	1975	REPLACED	YES
2. VALVE DISC	ANCHOR DARLING	S/N - 3	N/A	HV241F016	1981	REPLACEMENT	YES
3. VALVE DISC	ANCHOR DARLING	S/N - 3	N/A	HV241F016	1981	REPAIRED	YES

7. Description of Work SEE PAGE 2 OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURERS DATA SHEET ATTACHED

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach Date JUNE 17, 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-26-03 to 3-30-03, 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.

William R Rogus III Commissions NB7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 18 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 11-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System MAIN STEAM SYSTEM 283A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1, 2, & 3	03-283-007 459732	REPLACE VALVE DISC AND MINOR MACHINING OF NEW DSIC TO FIT VALVE.	1971 Ed W 72 Ad	NONE	NONE	N/A	N/A

(1) 16869 W421

FORM N-2 NPT CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PART AND APPURTENANCES*
As required by the Provision of the ASME Code Rules, Section III, Div. 1

1. (a) Manufactured by Anchor/Darling Valve Co., 701 First St., Williamsport, PA 17701
(Name and address of NPT Certificate Holder)

(b) Manufactured for Pennsylvania Power & Light Co. (Susquehanna Station) Allentown, PA 18101
(Name and address of N Certificate Holder for completed nuclear component)

2. Identification-Certificate Holder's Serial No. of Part S/N - 3 Nat'l Bd. No. N/A

(a) Constructed According to Drawing No. D7799 Drawing Prepared by Anchor/Darling Valve Company

(b) Description of Part Inspected Disc Heat #B2387 SA216-WCB

(c) Applicable ASME Code: Section III, Edition 1971, Addenda date Wnt '72, Case No. N/A Class 1

3. Remarks: 3" 900# Flex Wedge
(Brief description of service for which component was designed)

E-9723-34

Note: No Disc Hydro Performed

We certify that the statements made in this report are correct and this vessel part or appurtenance as defined in the Code conforms to the rules of construction of the ASME Code Section III.
(The applicable Design Specification and Stress Report are not the responsibility of the NPT Certificate Holder for parts. An NPT Certificate Holder for appurtenances is responsible for furnishing a separate Design Specification and Stress Report if the appurtenance is not included in the component Design Specification and Stress Report.)

Date 9/17 19 81 Signed Anchor/Darling Valve Co. By R L Stannert
(NPT Certificate Holder)

Certificate of Authorization Expires 4/15/83 Certificate of Authorization No. N1713

CERTIFICATION OF DESIGN FOR APPURTENANCE (when applicable)

Design information on file at

Stress analysis report on file at

Design specifications certified by Prof. Eng. State Reg. No.

Stress analysis report certified by Prof. Eng. State Reg. No.

NO. 81-341
RECORD PACKAGE
PAGE 165 OF 190

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of Pennsylvania and employed by Commercial Union Insurance Co. of Boston, Mass have inspected the part of a pressure vessel described in this Partial Data Report on 8-11 thru 9-17-81 19__, and state that to the best of my knowledge and belief, the NPT Certificate Holder has constructed this part in accordance with the ASME Code Section III.

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

Date 9-17 19 81 (PP&L Q.C.) SLK 11/4/81 RTR 81-341

Russell W. Montgomery
Russell W. Montgomery
(Inspector's Signature)

Commissions Pennsylvania WC072
(National Board, State, Province and No.)

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

10/77)

This form (E00040) may be obtained from the Order Dept., ASME, 345 E. 47th St., New York, N.Y. 10017

(1) 16869 W421

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 11 JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 5

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 5 OF 5 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE	YARWAY	A0751	N/A	241010A	1977	REPLACED	YES
2. VALVE	FLOWSERVE	E-660A-1-10	N/A	241010A	1999	REPLACEMENT	YES
3. VALVE	YARWAY	A0614	N/A	241011A	1977	REPLACED	YES
4. VALVE	FLOWSERVE	E-660A-1-15	N/A	241011A	1999	REPLACEMENT	YES
5. SMALL PIPE SUB ASSEMBLY	BECHTEL	N/A	N/A	SPDBB202-5	1983	REPLACED	YES
6. SMALL PIPE SUB ASSEMBLY	PPL	N/A	N/A	SPDBB202-5	2003	REPLACEMENT	NO
7. VALVE	YARWAY	A0730	N/A	241010B	1977	REPLACED	YES

7. Description of Work SEE PAGE 5 OF 5

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 5 OF 5
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURERS DATA SHEET ATTACHED

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Berlow Date June 18, 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 8-20-02 to 4-10-03, 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.

William R. Rogue III Commissions NB7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date June 20 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 03-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 5

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 5 OF 5 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. VALVE	FLOWSERVE	E-660A-1-18	N/A	241010B	1999	REPLACEMENT	YES
9. VALVE	YARWAY	A0716	N/A	241011B	1977	REPLACED	YES
10. VALVE	FLOWSERVE	E-660A-1-19	N/A	241011B	1999	REPLACEMENT	YES
11. SMALL PIPE SUB ASSEMBLY	BECHTEL	N/A	N/A	SPDBB201-4	1983	REPLACED	YES
12. SMALL PIPE SUB ASSEMBLY	PPL	N/A	N/A	SPDBB201-4	2003	REPLACEMENT	NO
13. VALVE	YARWAY	A0726	N/A	241010C	1977	REPLACED	YES
14. VALVE	FLOWSERVE	E-660A-1-6	N/A	241010C	1999	REPLACEMENT	YES
15. VALVE	YARWAY	A0660	N/A	241011C	1977	REPLACED	YES
16. VALVE	FLOWSERVE	E-660A-1-5	N/A	241011C	1999	REPLACEMENT	YES
17. SMALL PIPE SUB ASSEMBLY	BECHTEL	N/A	N/A	SPDBB204-4	1983	REPLACED	YES
18. SMALL PIPE SUB ASSEMBLY	PPL	N/A	N/A	SPDBB204-4	2003	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 03-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 5

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 5 OF 5 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. VALVE	YARWAY	A0723	N/A	241010D	1977	REPLACED	YES
20. VALVE	YARWAY	A7322	N/A	241010D	1979	REPLACEMENT	YES
21. VALVE	YARWAY	A0905	N/A	241011D	1977	REPLACED	YES
22. VALVE	YARWAY	A7336	N/A	241011D	1979	REPLACEMENT	YES
23. SMALL PIPE SUB ASSEMBLY	BECHTEL	N/A	N/A	SPDBB203-4	1983	REPLACED	YES
24. SMALL PIPE SUB ASSEMBLY	PPL	N/A	N/A	SPDBB203-4	2003	REPLACEMENT	NO
25. STEM / DISC ASSEMBLY	YARWAY	C7	N/A	LSH20112D-VNT SPDBB203-2-67	1979	REPLACED	YES
26. STEM / DISC ASSEMBLY	YARWAY	AA00-B31	N/A	LSH20112D-VNT SPDBB203-2-67	2001	REPLACEMENT	YES
27. BACK SEAT BUSHING	YARWAY	5293	N/A	LSH20112D-VNT SPDBB203-2-67	1998	REPLACED	NO
28. BACK SEAT BUSHING	YARWAY	5293	N/A	LSH20112D-VNT SPDBB203-2-67	1998	REPLACEMENT	NO
29. VALVE	YARWAY	5645	N/A	1RV-PSL2N015C	1976	REPLACED	YES

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 03-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 5

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 5 OF 5 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
30. VALVE	YARWAY	A7316	N/A	1RV-PSL2N015C	1979	REPLACEMENT	YES
31. VALVE BODY	YARWAY	B8108	N/A	HV20112A1	1983	REPLACED	YES
32. VALVE BODY	YARWAY	B8145	N/A	HV20112A1	1983	REPLACED	YES
33. VALVE BODY	YARWAY	B8213	N/A	HV20112B1	1983	REPLACED	YES
34. VALVE BODY	YARWAY	B8074	N/A	HV20112B1	1983	REPLACED	YES

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

1. Owner: PPL SUSQUEHANNA, LLC (NAME) — Date: 11-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 5 of 5

2. Plant: SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit: TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by: PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp: None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization: N/A

Expiration Date: N/A

4. Identification of System: MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 thru 6	02-283-004 427855 02-283-010 394450	REPLACE MAIN STEAM LINE A, VENT LINE ASSEMBLY. REPLACEMENT BY WELDING.	1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
7 thru 12	02-283-004 427855 02-283-011 394450	REPLACE MAIN STEAM LINE B, VENT LINE ASSEMBLY. REPLACEMENT BY WELDING.	1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
13 thru 18	02-283-001 396213 02-283-002 394450	REPLACE MAIN STEAM LINE C, VENT LINE ASSEMBLY. REPLACEMENT BY WELDING.	1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
19 thru 24	03-283-003 394450	REPLACE MAIN STEAM LINE D, VENT LINE ASSEMBLY. REPLACEMENT BY WELDING.	1974 Ed W 74 Ad 1974 Ed W 75 Ad	NONE	NONE	N/A	N/A
25 thru 28	02-283-009 427874	REPLACE STEM / DISC ASSEMBLY AND BACK SEAT BUSHING	1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	NONE	NONE
29 & 30	03-283-002 335712	REPLACE ENTIRE VALVE REPLACEMENT BY WELDING.	1974 Ed W 74 Ad 1974 Ed W 75 Ad	NONE	NONE	NONE	NONE
31 thru 34	03-283-004 461013	REPLACE VALVE BODY REPLACEMENT BY WELDING	1971 Ed W 73 Ad	NONE	NONE	NONE	NONE

For Information Only

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by Flowserve Corp. 701 First Street, Williamsport, PA 17701 (name and address of N Certificate Holder)
2. Manufactured for Pennsylvania Power & Light Company Two North Ninth Street, Allentown, PA 18101 (name and address of Purchaser or Owner)
3. Location of installation Susquehanna Station 5 miles NE of Berwick on Rte 11, P.O. Box 467, Berwick, PA 18603 (name and address)
4. Model No., Series No., or Type Valve Drawing W9825189 Rev. A CRN N/A
5. ASME Code, Section III, Division 1: 1986 (edition) N/A (addenda date) 1 (class) N/A (Code Case no.)
6. Pump or valve Valve Nominal inlet size 1" (in.) Outlet size 1" (in.)
7. Material: Body SA216-WCB Bonnet N/A Disk AMS-5387 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E-660A-1-9	N/A	1	N/A	HT #1899
E-660A-1-10	N/A	3	N/A	HT #1899
E-660A-1-11	N/A	4	N/A	HT #1899
E-660A-1-12	N/A	10	N/A	HT #1899
E-660A-1-13	N/A	11	N/A	HT #1899
E-660A-1-14	N/A	17	N/A	HT #1899
E-660A-1-15	N/A	19	N/A	HT #1899
E-660A-1-16	N/A	21	N/A	HT #1899
E-660A-1-17	N/A	22	N/A	HT #1899
E-660A-1-18	N/A	23	N/A	HT #1899

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

For Information Only

FORM NPV-1 (back)

8. Remarks 1" - 1500# Y-Globe Valve w/10" Tee Handle

Reference S.O. E-660A-1

9. Design conditions 2673 (pressure) psi 680 (temperature) °F or valve pressure class 1500# (1)

10. Cold working pressure 3705 psi at 100°F

11. Hydrostatic test 5575 psi. Disk differential test pressure 4076 psi

CERTIFICATION OF DESIGN

Design Specification certified by Matthew Hober P.E. State PA Reg. no. 20118E

Design Report certified by T. C. Bartlett P.E. State PA Reg. no. 039036E

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/01

Date 3/12/99 Name Flowserve Corp. (N Certificate Holder) Signed R L Stannett (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ~~or Province~~ of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on 2-19 thru 3-15, 1999, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3-15-99 Signed Charles Young (Authorized Inspector) Commissions Pennsylvania 2392 (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

For Information Only

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

1. Manufactured and certified by Flowserve Corp. 701 First Street, Williamsport, PA 17701 (name and address of N Certificate Holder)
2. Manufactured for Pennsylvania Power & Light Company Two North Ninth Street, Allentown, PA 18101 (name and address of Purchaser or Owner)
3. Location of installation Susquehanna Station, 5 miles NE of Berwick on Rte 11, P.O. Box 467, Berwick, PA 18603 (name and address)
4. Model No., Series No., or Type Valve Drawing W9825189 Rev. A CRN N/A
5. ASME Code, Section III, Division 1: 1986 (edition) N/A (addenda date) 1 (class) N/A (Code Case no.)
6. Pump or valve Valve Nominal inlet size 1" (in.) Outlet size 1" (in.)
7. Material: Body SA216-WCB Bonnet N/A Disk AMS-5387 Bolting N/A

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
E-660A-1-19	N/A	6	N/A	HT#1899
E-660A-1-20	N/A	20	N/A	HT#1899

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

For Information Only

FORM NPV-1 (back)

8. Remarks 1" - 1500# Y-Globe Valve w/10" Tee Handle

Reference S.O. E-660A-1

9. Design conditions 2673 (pressure) psi 680 (temperature) °F or valve pressure class 1500# (1)

10. Cold working pressure 3705 psi at 100°F

11. Hydrostatic test 5575 psi. Disk differential test pressure 4076 psi

CERTIFICATION OF DESIGN

Design Specification certified by Matthew Hober P.E. State PA Reg. no. 20118E

Design Report certified by T. C. Bartlett P.E. State PA Reg. no. 039036E

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/01

Date 8/25/99 Name Flowserve Corp. (N Certificate Holder) Signed R L Stannett (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State ~~or Province~~ of Pennsylvania and employed by Commercial Union Ins. Co. of Boston, MA have inspected the pump, or valve, described in this Data Report on 2-19 to 8-26, 1999, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 8-26-99 Signed Charles Young (Authorized Inspector) Commissions Pennsylvania 2392 (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

(1) For manually operated valves only.

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

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

1. Manufactured and certified by Flowserve Corp. 701 First Street, Williamsport, PA 17701
(name and address of N Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Company Two North Ninth Street, Allentown, PA 18101
(name and address of Purchaser or Owner)

3. Location of installation Susquehanna Station, 5 miles NE of Berwick on Rte. 11, P.O. Box 467, Berwick, PA 18603
(name and address)

4. Model No., Series No., or Type Valve Drawing W9825189 Rev N/A CAN N/A
Cg 3-8-99

5. ASME Code, Section III, Division 1 1986 (edition) N/A (addenda date) 1 (class) N/A (Code Case No.)

6. Pump or valve Valve Nominal inlet size 1" (in.) Outlet size 1" (in.)

7. Material: Body SA216-WCB Bonnet N/A Disk AMS-5387 Bolting N/A

(a) Cert holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
F-660A-1-1	N/A	12	N/A	HT #1899
F-660A-1-2	N/A	13	N/A	HT #1899
F-660A-1-3	N/A	14	N/A	HT #1899
F-660A-1-4	N/A	15	N/A	HT #1899
F-660A-1-5	N/A	16	N/A	HT #1899
F-660A-1-6	N/A	18	N/A	HT #1899
F-660A-1-7	N/A	7	N/A	HT #1899
F-660A-1-8	N/A	9	N/A	HT #1899

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

FORM NPV-1 (back)

8. Remarks 1" - 1500# Y-Globe Valve w/10" Tee Handle

Reference S.O. E-660A-1

9. Design conditions 2673 psi (Pressure) 680 °F (Temperature) or valve pressure class 1500# (1)

10. Cold working pressure 3705 psi at 100°F

11. Hydrostatic test 5575 psi. Gas differential test pressure 4076 psi

CERTIFICATION OF DESIGN

Design Specification certified by Matthew Hobez P.E. State PA Reg. no. 29118E

Design Report certified by T. C. Bartlett P.E. State PA Reg. no. 039016E

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N1712 Expires 4/15/01

Date 3/26/99 Name Flowserve Corp. (N Certificate Holder) Signed R.S. Bennett (authorized representative)

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of Pennsylvania and employed by Commercial Union Ins. Co. of Norton, MA have inspected the pump, or valve, described in this Data Report on 3-19-99 to 3-26, 19 99, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 3-26-99 Signed Charles Young (Authorized Inspector) Commissions Pennsylvania 2393 (Nat'l. Bd. (incl. endorsements) state or prov. and No.)

(1) For manually operated valves only.

For Information Only

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules P.O.# 36829

(34)

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. Order No. 72082
(Name & Address of Manufacturer)

2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM Order No. 9779-41G
(Name and Address) RICHLAND, WASHINGTON

3. Owner WASHINGTON PUBLIC POWER SUPPLY SYSTEM (WPPSS)

4. Location of Plant RICHLAND, WASHINGTON

5. Pump or Valve Identification NUCLEAR SERVICE VALVES - SIZE 1"
SERIAL NUMBER(S) A7302 THRU A7326 EXCLUDING A7323
(Brief description of service for which equipment was designed)

(a) Drawing No. 104561-06 Prepared by YARWAY CORPORATION

(b) National Board No. WKV #277 THRU 301 EXCLUDING #298

6. Design Conditions --- psi (Pressure) --- °F (Temperature) or Pressure Class 1500 psi (1)

The material, design, construction, and workmanship complies with ASME Code Section III. Class 2

Edition 1974, Addenda Date WINTER 1975, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C7	AMS 5385	NOVA/HOWMET	DISC
(b) Forgings	Y8	SA105	CAPE ANN TOOL CO.	BODY
	6581	SA564 Gr.630	CARTECH CORP.	BACKSEAT BUSHING

DOCUMENT REVIEWED
JUN 28 79 J. M. FEIL
By U.E. & C.

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½" x 11", (2) information in items, 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

3/75

This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

For Information Only

[redacted]ormation Only

T-42
C-42C

FORM NPV-1 (back)

(16)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Boiling	NONE			
(d) Other Parts	NONE			

DOCUMENT REVIEWED
JUN 28 79 J. M. FEIL
By: _____
U.E. & C.

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at W P P S S - RICHLAND, WASHINGTON
Stress analysis report on file at NONE REQUIRED
Design specifications certified by RATHIN BASU (1) Prof. Eng. State WASH. Reg. No. 15045
Stress analysis report certified by NONE REQUIRED (1) Prof. Eng. State _____ Reg. No. _____
(1) Signature not required. List name only.

We certify that the statements made in this report are correct.

Date MAY 2 19 79 Signed YARWAY CORPORATION (Manufacturer) By W. A. VOLGER

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILA. MANUFACTURERS of MUTUAL INS. CO. of PHILADELPHIA, PA.* have inspected the equipment described in this Data Report on MAY 2 19 79, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date MAY 2 19 79

D. Daullary (Inspector)
DAVID L. DAULLARY

Commissions NB 7525 PA 2159 (National Board, State, Province and No.)

*PART OF THE FACTORY MUTUAL SYSTEM

For Information Only

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules P.O.# 36829

(36)

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA. Order No. 72082
(Name & Address of Manufacturer)

2. Manufactured for WASHINGTON PUBLIC POWER SUPPLY SYSTEM Order No. 9779-41G
(Name and Address) RICHLAND, WASHINGTON

3. Owner WASHINGTON PUBLIC POWER SUPPLY SYSTEM (WPPSS)

4. Location of Plant RICHLAND, WASHINGTON

5. Pump or Valve Identification NUCLEAR SERVICE VALVES - SIZE 1"

SERIAL NUMBER(S) A7327 THRU A7343
(Brief description of service for which equipment was designed)

(a) Drawing No. 104561-06 Prepared by YARWAY CORPORATION

(b) National Board No. #302 THRU 318

6. Design Conditions --- psi (Pressure) --- °F (Temperature) or Pressure Class 1500 psi (1)

The material, design, construction, and workmanship complies with ASME Code Section III. Class 2

Edition 1974, Addenda Date WINTER 1975, Case No. NONE

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	C7	AMS 5385	NOVA/HOWMET	DISC
(b) Forgings	Y8	SA105	CAPE ANN TOOL CO.	BODY
	6581	SA564 Gr.630	CARTECH CORP	BACKSEAT BUSHING

DOCUMENT REVIEWED
[illegible] J. M. FEIL
By: U.E.&C.

(1) For manually operated valves only.

*Supplemental sheets in form of lists, sketches or drawings may be used provided (1) size is 8½" x 11", (2) information in items, 1, 2, 5a and 5b on this data report is included on each sheet, and (3) each sheet is numbered and number of sheets is recorded at top of this form.

3/75

This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NONE			
(d) Other Parts	NONE			

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at W P P S S - RICHLAND, WASHINGTON

Stress analysis report on file at NONE REQUIRED

Design specifications certified by RATHIN BASU (1) Prof. Eng. State WASH. Reg. No. 15047

Stress analysis report certified by NONE REQUIRED (1) Prof. Eng. State _____ Reg. No. _____

(1) Signature not required. List name only.

We certify that the statements made in this report are correct.

Date May 2 19 79 Signed YARWAY CORPORATION (Manufacturer) By W. A. VOLGER

Certificate of Authorization No. N 1891 expires OCTOBER 21, 1980

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of Province of PENNSYLVANIA and employed by PHILA. MANUFACTURERS of MUTUAL INS. CO. of PHILADELPHIA, PA.* have inspected the equipment described in this Data Report on May 2 19 79, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

Date May 2 19 79

D. Daullary (Inspector) Commissions NB 7525 PA 2159 (National Board, State, Province and No.)

DAVID L. DAULLARY

*PART OF THE FACTORY MUTUAL SYSTEM

For Information Only

WIP ORDER 5041156 SALES ORDER NO 2037906

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760
(name and address of NPT Certificate Holder)

2. Manufactured for FRAMATOME ANP, Inc., LYNCHBURG, VA 24506
(name and address of purchaser)

3. Location of installation STOCK
(name and address)

4. Type 969155-06 (drawing no.) AMS5385E (disc) (mat'l. spec. no.) 52,000 PSI MIN. (tensile strength) N/A (CRN) 2001 (year built)

5. ASME Code, Section III: 1986 (edition) NONE (addenda date) 1 (class) — (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) — (no.) Revision — Date —

7. Remarks: FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A. PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS.

8. Nom. thickness (in.) — Min. design thickness (in.) — Dia. ID (ft. & in.) — Length overall (ft. & in.) —

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	AA00-B1	—
(2)	AA00-B2	
(3)	AA00-B3	
(4)	AA00-B4	
(5)	AA00-B5	
(6)	AA00-B6	
(7)	AA00-B7	
(8)	AA00-B8	
(9)	AA00-B9	
(10)	AA00-B10	
(11)	AA00-B11	
(12)	AA00-B12	
(13)	AA00-B13	
(14)	AA00-B14	
(15)	AA00-B15	
(16)	AA00-B16	
(17)	AA00-B17	
(18)	AA00-B18	
(19)	AA00-B19	
(20)	AA00-B20	
(21)	AA00-B21	
(22)	AA00-B22	
(23)	AA00-B23	
(24)	AA00-B24	
(25)	AA00-B25	

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	AA00-B26	
(27)	AA00-B27	
(28)	AA00-B28	
(29)	AA00-B29	
(30)	AA00-B30	
(31)	AA00-B31	
(32)	AA00-B32	
(33)	AA00-B33	
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure ** psi. Temp. ** °F Hydro. test pressure N/A (when applicable) at temp. °F
**FOR ANSI CLASS 1500 VALVES

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

(12/88) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

For Information Only

FORM N-2 (back)

Mfr. Serial No. SEE FRONT

CERTIFICATION OF DESIGN

Design specifications certified by (SEE REMARKS) (when applicable) P.E. State _____ Reg. no. _____

Design report* certified by N/A (when applicable) P.E. State _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) STEM AND DISC ASSEMBLIES, 1 INCH conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N-2450 Expires November, 14, 2001

Date 5/11/01 Name YARWAY CORPORATION (NPT Certificate Holder) Signed F.W. Deszka (authorized representative)

CERTIFICATE OF SHOP 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston, RI have inspected these items described in this Data Report on 5/11/01 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 5/11/01 Signed _____ (Authorized Inspector) Commissions PA 2056 NB 05154 (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

FM OP ENG PEG

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules **P.O. #40583**

1. Manufactured by YARWAY CORPORATION, BLUE BELL, PA 19422 Order No. 83537
(Name & Address of Manufacturer)

2. Manufactured for BECHTEL POWER CORP. Order No. 7220-M-127-CC
(Name and Address)

3. Owner CONSUMERS POWER CO.

4. Location of Plant MIDLAND, MI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE 1"

SERIAL NUMBER(S) B8130 THRU B8154
(Brief description of service for which equipment was designed)

(a) Drawing No. 045787 A Prepared by YARWAY CORPORATION

(b) National Board No. N/A

6. Design Conditions ---- psi (Pressure) ---- °F (Temperature) or Pressure Class 1500 (1)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 2

Edition 1971, Addenda Date WINTER, '73, Case No. ----

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	D7	AMS-5385E	NOVA/HOWMETT CORPORATION	DISC
(b) Forgings	N5	SA 105	CAPE ANN TOOL COMPANY	BODY

No. XP-123
RECORD STORAGE
PAGE 15 of 1

(1) For manually operated valves only

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

FORM NPV-1 (back)

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(c) Bolting	NONE			
(d) Other Parts	3886	SA182 F6A CL 2	PETER A. FRASSE CO.	BACKSEAT BUSHING

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at CONSUMERS POWER COMPANY

Stress analysis report on file at NOT REQUIRED

Design specifications certified by * (1) Prof. Eng. State ____ Reg. No. ____

Stress analysis report certified by NOT REQUIRED (1) Prof. Eng. State ____ Reg. No. ____

(1) Signature not required. List name only.

*MICHAEL O. ROTHWELL MICH. 20451
THEODORE W. VANWICK MICH. 22285
RONALD W. ZORNEY MICH. 17926

We certify that the statements made in this report are correct.

Date 7/29 19 83 Signed YARWAY CORPORATION by [signature]

Certificate of Authorization No. N2449 expires NOVEMBER 1983

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State or Province of PENNSYLVANIA and employed by PHILA MFG. MUTUAL INS. CO of NORW[illegible], MA* have inspected the equipment described in this Data Report on 7/25 19 83, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

*FACTORY MUTUAL SYSTEM

Date 7/25 19 83

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[signature] (Inspector) Commissions NB [illegible] PA 3256 (National Board, State, Province and No.)

7220 M-137-CC E/16
DCC 14 0
DG 74 [illegible]

BECHT[illegible]

FORM NPV-1 MANUFACTURERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*

As Required by the Provisions of the ASME Code Rules P.O. #40883

1 Manufactured by YARWAY CORPORATION, BLUE BELL, PA 19422 Order No. 83537
(Name & Address of Manufacturer)

2 Manufactured for BECHTEL POWER CORP. Order No. 7220-M-127-CC
(Name and Address)

3 Owner CONSUMERS POWER CO.

4 Location of Plant MIDLAND, MI

5. Pump or Valve Identification NUCLEAR SERVICE VALVES SIZE 1"

SERIAL NUMBER(S) B8055 THRU B8079 & B 8073
(Brief description of service for which equipment was designed)

(a) Drawing No. 045787 A Prepared by YARWAY CORPORATION

(b) National Board No. N/A

6. Design Conditions ---- psi ---- °F or Pressure Class 1500 (1)
(Pressure) (Temperature)

7. The material, design, construction, and workmanship complies with ASME Code Section III, Class 2

Edition 1971, Addenda Date WINTER, '73, Case No. ---

	Mark No.	Material Spec. No.	Manufacturer	Remarks
(a) Castings	D7	AMS 5385E	NOVA/HOWMETT CORPORATION	DISC
(b) Forgings	N5	SA 105	CAPE ANN TOOL COMPANY	BODY

1 For manually operated valves only

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

This form (E00037) may be obtained from the Order Dept., ASME, 345 E. 47 St., New York, N.Y. 10017.

BECHTEL
633

DCS 0180
Page 8 of 11

FORM NPV-1 (back)

	Item No.	Material Spec. No.	Manufacturer	Remarks
(c)	Bolting NONE			
(d)	Other Parts 3986	SA182 F6A CL 2	PETER A. FRASSE CO.	BACKSEAT BUSHING

8. Hydrostatic test 5400 psi.

CERTIFICATION OF DESIGN

Design information on file at CONSUMERS POWER COMPANY

Stress analysis report on file at NOT REQUIRED

Design specifications certified by * (1) Prof. Eng. State ____ Reg. No. ____

Stress analysis report certified by NOT REQUIRED (1) Prof. Eng. State ____ Reg. No. ____

(1) Signature not required. List name only. *MICHAEL O. ROTHWELL MICH. 20451
THEODORE W. VANVICK MICH. 22285
RONALD W. ZORNEY MICH. 17926

We certify that the statements made in this report are correct.

Date 7/29 19 83 Signed YARWAY CORPORATION (Manufacturer) By W. A. VOLGER

Certificate of Authorization No. N2449 expires NOVEMBER 14, 1983

CERTIFICATE OF SHOP INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and or the State of Province of PENNSYLVANIA and employed by PHILA MFG. MUTUAL INS. CO of NORWOOD, MA* have inspected the equipment described in this Data Report on 7/29 19 83, and state that to the best of my knowledge and belief, the Manufacturer has constructed this equipment in accordance with the applicable Subsections of ASME Code, Section III.

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

*FACTORY MUTUAL SYSTEM

Date 7/29 19 83

(Inspector) Commission NB 6344 AR 2058 (National Board, State, Province and No.)

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13 JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM ISOLATION VALVE AND CONTROL — 283B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA CODE CASE N416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SPHCC236-4	1983	REPLACED	YES
2. SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPHCC236-4	2002	REPLACEMENT	NO
3. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5011	1983	REPLACED	YES
4. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5011	2003	REPLACEMENT	NO
5. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5012	1983	REPLACED	YES
6. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5012	2003	REPLACEMENT	NO
7. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5015	1983	REPLACED	YES

7. Description of Work SEE PAGE 4 OF 4

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 4 OF 4
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach (Owner or Owner's Designee, Title Welding Engineer) Date JUNE 17, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 4-5-01 to 4-6-03, 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.

William R. Rogers III (Inspector's Signature) Commissions NB7980 A,N,I,B,NS PA2204 (National Board, State, Province, and Endorsements)

Date JUNE 18 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM ISOLATION VALVE AND CONTROL 283B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA CODE CASE N416-1

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
8. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5015	2003	REPLACEMENT	NO
9. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5016	1983	REPLACED	YES
10. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5016	2003	REPLACEMENT	NO
11. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5017	1983	REPLACED	YES
12. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5017	2003	REPLACEMENT	NO
13. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5018	1983	REPLACED	YES
14. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5018	2003	REPLACEMENT	NO
15. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5019	1983	REPLACED	YES
16. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5019	2003	REPLACEMENT	NO
17. SMALL PIPE SUPPORT	BECHTEL	N/A	N/A	SPHCC236-H5021	1983	REPLACED	YES
18. SMALL PIPE SUPPORT	PPL	N/A	N/A	SPHCC236-H5021	2003	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM ISOLATION VALVE AND CONTROL 283B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA CODE CASE N416-1

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

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
19. SMALL PIPE SUBASSEMBLY	BECHTEL	N/A	N/A	SPHCC236-8	1983	REPLACED	YES
20. SMALL PIPE SUBASSEMBLY	PPL	N/A	N/A	SPHCC236-8	2003	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System MAIN STEAM ISOLATION VALVE AND CONTROL 283B-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA CODE CASE N416-1

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	01-283-003 270207	REPLACE PIPING SECTION REPLACEMENT BY WELDING	1971 Ed W 72 Ad	NONE	ISI-02-770	95 PSIG	96 °F
3 thru 18	02-283-003 417675	REPLACED SPD CLIPS REPLACEMENT BY WELDING	1971 Ed W 72 Ad	NONE	NONE	NONE	NONE
19 & 20	02-283-003 417675	REPLACED FLANGE BOLTING	1972 Ed W 72 Ad 1986 Ed No Ad	NONE	NONE	NONE	NONE

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13 JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 Of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM RELIEF VALVE DISCHARGE SYSTEM 283D-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case

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

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. LARGE PIPE SUB ASSEMBLY	BECHTEL	N/A	N/A	GBC201-13	1983	REPLACED	YES
2. LARGE PIPE SUB ASSEMBLY	PPL	N/A	N/A	GBC201-13	2003	REPLACEMENT	NO

7. Description of Work SEE PAGE 2 OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach (Owner or Owner's Designee, Title Welding Engineer) Date JUNE 17, 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3-28-03 to 3-30-03, 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.

William R. Rogers III (Inspector's Signature) Commissions NB7980A, N, I, B, NS PA2204 (National Board, State, Province, and Endorsements)

Date JUNE 18 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System MAIN STEAM RELIEF VALVE DISCHARGE SYSTEM 283D-III

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	03-262-036 339507	REPLACE FLANGE BOLTS AT MSRV OUTLET FLANGE CONNECTION M2 ON GBC201-13.	1989 Ed No Ad	NONE	NONE	N/A	N/A

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13 JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 2 OF 2 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System STEAM FLOW MONITORS SYSTEM 283F-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. EXCESS FLOW CHECK VALVE	MAROTTA SCIENTIFIC	191	453	XV241F071A	1977	REPLACED	YES
2. EXCESS FLOW CHECK VALVE	MAROTTA SCIENTIFIC	292	584	XV241F071A	1977	REPLACEMENT	YES

7. Description of Work SEE PAGE 2 OF 2

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 2 OF 2
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURERS DATA SHEET ATTACHED
Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Date JUNE 18, 20 03
Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 11-1-02 to 3-26-03, 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.

William R. Rogus III Commissions NB7980 A,N,I,B,NS PA2204
Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 18 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 2

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System STEAM FLOW MONITORS SYSTEM 283F-I

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 & 2	02-283-007 318565	REPLACE EXCESS FLOW CHECK VALVE REPLACEMENT BY WELDING	1974 Ed W 74 Ad	NONE	NONE	N/A	N/A

APPENDIX D.2
MODIFICATION GROUP
NIS-2 FORMS

WORK ABSTRACT

The Station Engineering, Site Design Group is responsible for preparing Work Orders (work packages) for fabrication and installation of design changes in accordance with ASME Section XI and the National Board Inspection Code. This work is documented on NIS-2 Forms, or on R-1 Forms, which are submitted herewith.

MODIFICATION INSTALLATION GROUP

Modification Change Packages for ASME Section XI (Class 1, 2 and 3), and the National Board Inspection Code, installed in Unit 2 since the completion of the Tenth Refueling Outage through completion of the Eleventh Refueling Outage are summarized below:

MODIFICATION CHANGE PACKAGE NUMBER	SYSTEM / CLASS	DESCRIPTION
409914	249A-II	Addition of ½" NPS High Point Vent Valve 251821
352493	251A-II	Replace / Reroute 3/8" OD Tube lines in support of Instrument Rack 2C057 Relocation
316337, 316338, 316339, 316340	262A I	Modified inboard MSIVs, HV241F022A, B, C, and D to improve seating characteristics.
316348, 316349, 316350, 316351	262A I	Modified outboard MSIVs, HV241F028A, B, C, and D to improve seating characteristics.
333369	283A-II	Permanent removal of valve stem leak-off and plug bonnet leak-off connection. Valves: HV20109, HV20111, & HV20107
352976	283A-II	Permanent removal of snubber supports; SPDBB208-H13, SPDBB208-H17, SPDBB208-H87, SPDBB208-H88, & SPDBB208-H89
408912	283A-II	Replace stem/disc assemblies and backseat bushings Valves: HV20112A1, HV20112B1, HV201112C1 & HV20112D1

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 16-JUN-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 1

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — MOD 409914 WO 411610 & 411612 CRF G02-249-022 & G02-249-023 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System RHR POOL SPRAY PUMPS AND AUXILIARY 249A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. SMALL PIPE ASSEMBLY	PPL	N/A	N/A	SPGBB207-3	2003	REPLACEMENT	NO
2. BALL VALVE	BNL	A020904-1-(1)	N/A	251821	2002	REPLACEMENT	YES
3. LARGE PIPE SUB-ASSEMBLY	BECHTEL	N/A	N/A	GBB207-1	1983	REPLACED	YES
4. LARGE PIPE SUB-ASSEMBLY	PPL	N/A	N/A	GBB207-1	2003	REPLACEMENT	NO

7. Description of Work ADDITION OF ½" VENT VALVE, PIPING, AND BRANCH CONNECTION, REPLACEMENT BY WELDING.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturer's Data Report Attached. BNL Ball Valve ASME Section III 1974 Ed No Ad

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach Date June 17, 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 11-13-02 to 3-17-03, 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.

William R Rogus III Commissions NB 7980 A,N,I,B,N,S PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 18 2003

For Information Only

FORM NPV-1 CERTIFICATE HOLDERS' DATA REPORT FOR NUCLEAR PUMPS OR VALVES*
As Required by the Provisions of the ASME Code, Section III, Division 1

1. Manufactured and certified by BNL INDUSTRIES, INC., 30 INDUSTRIAL PARK ROAD, VERNON, CT, 06066
(name and address of N Certificate Holder)
2. Manufactured for PENNSYLVANIA POWER & LIGHT CO, TWO NORTH NINTH ST, ALLENTOWN, PA 18101
(name and address of Purchaser)
3. Location of Installation SUSQUEHANNA, 5 MI NE OF BERWICK, PA, 18603
(name and address)
4. Model No., Series No., or Type VALVE Drawing HBV-A2-04-0017 Rev. 0 CRN
5. ASME Code, Section III, Division 1: 1974 (edition) - (addenda date) 2 (class) (Code Case no.)
6. Pump or valve VALVE Nominal inlet size 1/2" (in.) Outlet size 1/2" (in.)
7. Material: Body SA-105 Bonnet SA-105 Disk SA-479 Ty316 Bolting SA-193GrB7/SA-194Gr2H

(a) Cert. Holder's Serial No.	(b) Nat'l Board No.	(c) Body Serial No.	(d) Bonnet Serial No.	(e) Disk Serial No.
A020904-1-(1)		R249-402-1	R249-402-1	P112

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

FORM NPV-1 (Back — Pg. 2 of 2)

Certificate Holder's Serial No. A020904-1-(1)

8. Design conditions _____ psi _____ °F or valve pressure class ANSI 1500# (1)
[pressure] [temperature]

9. Cold working pressure 450PSIG @ 240F psi at 100°F

10. Hydrostatic test 5600 psi. Disk differential test pressure 4080 psi

11. Remarks: _____

CERTIFICATION OF DESIGN

Design Specification certified by D.M. GROVES P.E. State PA Reg. no. 24926-E

Design Report certified by _____ P.E. State _____ Reg. no. _____

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this pump or valve conforms to the rules for construction of the ASME Code, Section III, Division 1.

N Certificate of Authorization No. N-2882 Expires 11/10/04

Date 11/14/02 Name BNL INDUSTRIES, INC. Signed _____
[N Certificate Holder] [Authorized representative]

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of CONNECTICUT and employed by COMMERCIAL UNION INS. of BOSTON, MASS have inspected the pump, or valve, described in this Data Report on 11/14/02, and state that to the best of my knowledge and belief, the Certificate Holder has constructed this pump, or valve, in accordance with the ASME Code, Section III, Division 1.

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

Date 11.14.02 Signed _____ Commissions NB 7867 NA CT 1604
[Authorized Inspector] [Nat'l. Bd. (incl. endorsements) and state or prov. and no.]

(1) For manually operated valves only.

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 16-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 1

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — DCP 352493; WO 401060; CRF G02-251-020 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System CORE SPRAY 251A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. INSTRUMENT TUBING LINE	BECHTEL	N/A	N/A	JD-33-6-1A	1983	REPLACED	YES
2. INSTRUMENT TUBING LINE	PPL	N/A	N/A	JD-33-6-1A	2003	REPLACEMENT	NO
3. INSTRUMENT TUBING LINE	BECHTEL	N/A	N/A	JD-33-6-1B	1983	REPLACED	YES
4. INSTRUMENT TUBING LINE	PPL	N/A	N/A	JD-33-6-1B	2003	REPLACEMENT	NO

7. Description of Work REPLACE TUBING LINES IN SUPPORT OF 2C057 RACK RELOCATION

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks NONE

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Date JUNE 16, 20 03

(Owner or Owner's Designee, Title) Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 9-13-02 to 3-24-03, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 18 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 6

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 6 THRU 6 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru S'71 Addenda, 1535-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. 26" MSIV	Atwood & Morrill	9-221	NA	HV241F022A	1974	Replaced	Yes
2. 26" MSIV	Atwood & Morrill	9-221	NA	HV241F022A	1974	Repaired	Yes
3. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F022A	2002	Replacement	No
4. Poppet	Atwood & Morrill	230-1	NA	HV241F022A	2002	Replacement	Yes
5. Bonnet Cover	Atwood & Morrill	231-2	NA	HV241F022A	2002	Replacement	Yes
6. Bonnet Cover	Atwood & Morrill	231-2	NA	HV241F022A	2002	Repaired	Yes
7. Pilot Poppet	Atwood & Morrill	1	NA	HV241F022A	2002	Replacement	Yes
8. 26" MSIV	Atwood & Morrill	12-221	NA	HV241F022B	1974	Replaced	Yes
9. 26" MSIV	Atwood & Morrill	12-221	NA	HV241F022B	1974	Repaired	Yes

7. Description of Work SEE PAGE 6

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGES 6 THRU 6
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks Manufacturer's Data Sheets and Report of Repairs or Alterations Attached.
Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach Owner or Owner's Designee, Title Welding Engineer Date JUNE 17 , 20 03

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 2-6-03 to 4-22-03, 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.

William R. Rogers III Commissions NB 7980 A,N,I,B,NS PA 2204
Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 18 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 6

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 6 THRU 6 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru S'71 Addenda, 1535-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

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)
10. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F022B	2002	Replacement	No
11. Poppet	Atwood & Morrill	230-2	NA	HV241F022B	2002	Replacement	Yes
12. Bonnet Cover	Atwood & Morrill	231-5	NA	HV241F022B	2002	Replacement	Yes
13. Bonnet Cover	Atwood & Morrill	231-5	NA	HV241F022B	2002	Repaired	Yes
14. Pilot Poppet	Atwood & Morrill	2	NA	HV241F022B	2002	Replacement	Yes
15. Body/Bonnet Stud	Atwood & Morrill	NA	NA	HV241F022B	2002	Replacement	No
16. 26" MSIV	Atwood & Morrill	15-221	NA	HV241F022C	1974	Replaced	Yes
17. 26" MSIV	Atwood & Morrill	15-221	NA	HV241F022C	1974	Repaired	Yes
18. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F022C	2002	Replacement	No
19. Poppet	Atwood & Morrill	230-3	NA	HV241F022C	2002	Replacement	Yes
20. Bonnet Cover	Atwood & Morrill	231-3	NA	HV241F022C	2002	Replacement	Yes
21. Bonnet Cover	Atwood & Morrill	231-3	NA	HV241F022C	2002	Repaired	Yes
22. Pilot Poppet	Atwood & Morrill	3	NA	HV241F022C	2002	Replacement	Yes

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 6

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 6 THRU 6 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru S'71 Addenda, 1535-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

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)
23. 26" MSIV	Atwood & Morrill	16-221	NA	HV241F022D	1974	Replaced	Yes
24. 26" MSIV	Atwood & Morrill	16-221	NA	HV241F022D	1974	Repaired	Yes
25. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F022D	2002	Replacement	No
26. Poppet	Atwood & Morrill	230-4	NA	HV241F022D	2002	Replacement	Yes
27. Bonnet Cover	Atwood & Morrill	231-4	NA	HV241F022D	2002	Replacement	Yes
28. Bonnet Cover	Atwood & Morrill	231-4	NA	HV241F022D	2002	Repaired	Yes
29. Pilot Poppet	Atwood & Morrill	4	NA	HV241F022D	2002	Replacement	Yes
30. 26" MSIV	Atwood & Morrill	10-221	NA	HV241F028A	1974	Replaced	Yes
31. 26" MSIV	Atwood & Morrill	10-221	NA	HV241F028A	1974	Repaired	Yes
32. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F028A	2002	Replacement	No
33. Poppet	Atwood & Morrill	230-5	NA	HV241F028A	2001	Replacement	Yes
34. Bonnet Cover	Atwood & Morrill	HT H3391 S/N 7	NA	HV241F028A	2002	Replacement	Yes
35. Pilot Poppet	Atwood & Morrill	5	NA	HV241F028A	2002	Replacement	Yes

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 6

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 6 THRU 6 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru S'71 Addenda, 1535-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

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)
36. 26" MSIV	Atwood & Morrill	11-221	NA	HV241F028B	1974	Replaced	Yes
37. 26" MSIV	Atwood & Morrill	11-221	NA	HV241F028B	1974	Repaired	Yes
38. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F028B	2002	Replacement	No
39. Poppet	Atwood & Morrill	230-6	NA	HV241F028B	2002	Replacement	Yes
40. Bonnet Cover	Atwood & Morrill	231-6	NA	HV241F028B	2002	Replacement	Yes
41. Pilot Poppet	Atwood & Morrill	6	NA	HV241F028B	2002	Replacement	Yes
42. 26" MSIV	Atwood & Morrill	13-221	NA	HV241F028C	1974	Replaced	Yes
43. 26" MSIV	Atwood & Morrill	13-221	NA	HV241F028C	1974	Repaired	Yes
44. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F028C	2002	Replacement	No
45. Poppet	Atwood & Morrill	HT 21115 S/N 1	NA	HV241F028C	2002	Replacement	Yes
46. Bonnet Cover	Atwood & Morrill	231-7	NA	HV241F028C	2002	Replacement	Yes
47. Pilot Poppet	Atwood & Morrill	7	NA	HV241F028C	2002	Replacement	Yes
48. 26" MSIV	Atwood & Morrill	14-221	NA	HV241F028D	1974	Replaced	Yes

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 5 of 6

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 6 THRU 6 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru S'71 Addenda, 1535-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

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)
49. 26" MSIV	Atwood & Morrill	14-221	NA	HV241F028D	1974	Repaired	Yes
50. Super Bolts torque nut assemblies	Atwood & Morrill	N/A	NA	HV241F028D	2002	Replacement	No
51. Poppet	Atwood & Morrill	230-8	NA	HV241F028D	2002	Replacement	Yes
52. Bonnet Cover	Atwood & Morrill	231-1	NA	HV241F028D	2002	Replacement	Yes
53. Pilot Poppet	Atwood & Morrill	8	NA	HV241F028D	2002	Replacement	Yes

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 13-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 6 of 6

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGES 6 THRU 6 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization No. N/A

Expiration Date N/A

4. Identification of System REACTOR VESSEL 262A-I

5. (a) Applicable Construction Code III 19 71 Edition, thru S'71 Addenda, 1535-2 Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO / MOD	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 thru 7	G02-262-011 395614 316337	MSIV UPGRADE MODIFICATION 316337 ENLARGE BONNET BOLT HOLES	1971 Ed S 71 Ad 1989 Ed No Ad	1535-2	SE-200-002 ISI-03-630	1041 PSIG	146 °F
8 thru 15	G02-262-012 395706 316338	MSIV UPGRADE MODIFICATION 316338 REPLACE STUDS	1971 Ed S 71 Ad 1989 Ed No Ad	1535-2	SE-200-002 ISI-03-630	1041 PSIG	146 °F
16 thru 22	G02-262-013 397623 316339	MSIV UPGRADE MODIFICATION 316339 ENLARGE BONNET BOLT HOLES	1971 Ed S 71 Ad 1989 Ed No Ad	1535-2	SE-200-002 ISI-03-630	1041 PSIG	146 °F
23 thru 29	G02-262-014 397652 316340	MSIV UPGRADE MODIFICATION 316340 ENLARGE BONNET BOLT HOLES.	1971 Ed S 71 Ad 1989 Ed No Ad	1535-2	SE-200-002 ISI-03-630	1041 PSIG	146 °F
30 thru 35	G02-262-015 398763 316348	MSIV UPGRADE MODIFICATION 316348	1971 Ed S 71 Ad	1535-2	SE-283-311 ISI-03-641	960 PSIG	364 °F
36 thru 41	G02-262-016 398773 316349	MSIV UPGRADE MODIFICATION 316349	1971 Ed S 71 Ad	1535-2	SE-283-311 ISI-03-641	960 PSIG	364 °F
42 thru 47	G02-262-017 398781 316350	MSIV UPGRADE MODIFICATION 316350	1971 Ed S 71 Ad	1535-2	SE-283-311 ISI-03-641	960 PSIG	364 °F
48 thru 53	G02-262-018 398789 316351	MSIV UPGRADE MODIFICATION 316351	1971 Ed S 71 Ad	1535-2	SE-283-311 ISI-03-641	960 PSIG	364 °F

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32467-622-D Rev.9 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 546 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.5 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 47433 S/N 230-1	N/A
(2)		
(3)		
(4)		
(5)		
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(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
(37)		
(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 47433 S/N 230-1 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/17/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 12-17-02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 12/17/02 Signed (authorized inspector) Commissions NYS 2084 'N' [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 552 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 7 Cover A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.3125 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 47433 S/N 231-1	N/A
(2)	HT: 47433 S/N 231-2	N/A
(3)	HT: 47433 S/N 231-3	N/A
(4)	HT: 47433 S/N 231-4	N/A
(5)	HT: 47433 S/N 231-5	N/A
(6)	HT: 47433 S/N 231-6	N/A
(7)	HT: 47433 S/N 231-7	N/A
(8)		
(9)		
(10)		
(11)		
(12)		
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(17)		
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(20)		
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(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
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(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 10/31/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 10/31/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/31/02 Signed [signature] (authorized inspector) Commissions NY5070 [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (mat'l. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 1	N/A
(2)	HT: 72402 S/N 2	N/A
(3)	HT: 72402 S/N 3	N/A
(4)	HT: 72402 S/N 5	N/A
(5)		
(6)		
(7)		
(8)		
(9)		
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(17)		
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(19)		
(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
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(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N: 1, 2, 3, 5

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 11/14/02 Signed (authorized inspector) Commissions NY5070 AN [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32467-622-D Rev.9 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 546 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.5 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 47433 S/N 230-2	N/A
(2)		
(3)		
(4)		
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(10)		
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(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
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(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 47433 S/N 230-2 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/13/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 12/13/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 12/13/02 Signed (authorized inspector) Commissions NY5070 A,N (Nat'l Bd. (incl. Endorsements) and state or prov. and no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (matl. spec. no.) | 552 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 7 Cover A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.3125 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 47433 S/N 231-1	N/A
(2)	HT: 47433 S/N 231-2	N/A
(3)	HT: 47433 S/N 231-3	N/A
(4)	HT: 47433 S/N 231-4	N/A
(5)	HT: 47433 S/N 231-5	N/A
(6)	HT: 47433 S/N 231-6	N/A
(7)	HT: 47433 S/N 231-7	N/A
(8)		
(9)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
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(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 10/31/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 10/31/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/31/02 Signed (authorized inspector) Commissions NY5070 [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

HSB-CT

REPORT OF REPAIRS OR ALTERATIONS

☐ WELD REPAIRS ☒ NON-WELD REPAIRS ☐ ALTERATIONS

1. REPAIRED/ALTERED BY *(Name and Address of Repair/Alteration Concern)*
Atwood & Morrill Co., Inc., 285 Canal Street, Salem, MA 01970

2. REPAIRED/ALTERED FOR *(Name and Plant address of owner)*
Susquehanna II 2 North Ninth Street Allentown, PA. 18101-1179

3. OBJECT AND TYPE *(Boiler, Pressure Vessel, F.T., W.T., jacketed, etc.)*
Cover ASME CL 1
NAME OF MANUFACTURER
Atwood & Morrill Co., Inc.

4. IDENTIFICATION NUMBER *(Owner's, State, other)*
HT: #. 47433 S/N 231-5 (A&M SO #: 90168-21)
YEAR BUILT
2003

5. DESCRIPTION OF REPAIR/ALTERATION
Redrilled lifting,yoke rod, packing gland & cover stud holes.

6. WELDING PROCEDURE QUALIFICATION AND WELDER QUALIFICATION IN ACCORDANCE WITH ASME CODE
☐ Yes ☒ No

PROCEDURE DESIGNATION	DATE OF QUALIFICATION	TEST RESULTS AVAILABLE	
N/A	N/A	☐ Yes ☒ No	
WELDER'S NAME	**DATE LAST QUALIFIED**	**WELDER'S NAME**	**DATE LAST QUALIFIED**
N/A	N/A	N/A	N/A

7. Attached are Manufacturer's Partial Data Reports properly identified and
☒ Signed by Commissioned Inspectors for the following items of this report:

N/A

8. LIST OF MATERIAL USED AND METHOD OF ATTACHMENT

Part Identification	Number	Diameter or Size	Type	Material Type and Grade	Thickness	How Attached
N/A						
N/A						
N/A						
N/A						

9. REMARKS
No new materials were used in this repair. No welding was performed

10. MAXIMUM ALLOWABLE WORKING PRESSURE
N/A
HYDROSTATIC TEST *(Pressure)*
N/A

11. REPAIR/ALTERATIONS MADE IN ACCORDANCE WITH
☐ Owner's Instructions ☐ National Board Rules ☐ Repairs Concern's Plans ☒ ASME Code

12. REPAIR/ALTERATION PLANS APPROVED BY *(Name of Owner's Representative)*
Mark Sawicki
DATE OF APPROVAL
3/31/03

CERTIFICATION

We certify the above statements to be correct and that the repairs or alterations when completed satisfactorily withstood the hydrostatic test without evidence of leakage or other signs of distress.

DATE (Month, Day, Year)	SIGNATURE *(Manufacturer or Repair/Alteration Concern)*	BY *(Representative)*
3/31/03	Brian A. Sullivan	Atwood & Morrill Co., Inc.

CERTIFICATE OF REPAIR OR ALTERATION INSP.

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and/or the State of MA have inspected during repair or alteration the object described above and State that to the best of my knowledge and belief the statements made and certified to above by the representative of Atwood and Morrill Co., Inc. *(Manufacturer or Repair/Alteration Concern)* are correct.

By signing this certificate neither the Inspector nor the Hartford Steam Boiler Inspection and Insurance Company of Connecticut makes any warranty, expressed or implied, concerning the object described in this report. Furthermore neither the Inspector nor the Hartford Steam Boiler Inspection and Insurance Company of Connecticut 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, except such liability as my be provided in a policy of insurance with The Hartford Steam Boiler Inspection and Insurance Company of Connecticut may issue upon said object and then only in accordance with the terms of said policy.

DATE (Month, Day, Year)	SIGNATURE *(Inspector)*	COMMISSIONS *(State or National Board No.)*
3/31/03	Curtis Hanson	MA 1651 A.N N01916

2033-CT REV 2/85 (ENG)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (mat'l. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 1	N/A
(2)	HT: 72402 S/N 2	N/A
(3)	HT: 72402 S/N 3	N/A
(4)	HT: 72402 S/N 5	N/A
(5)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
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(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N: 1, 2, 3, 5

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 11/14/02 Signed [signature] (authorized inspector) Commissions NY5070 BN [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type:

*32467-622-D Rev.9	SA 105 GR II	546 MPa	N/A	2002
(drawing no.)	(mat'l. spec. no.)	(tensile strength)	(CRN)	(year built)

5. ASME Code, Section III, Division 1:

1971	S71	1	N/A
(edition)	(addenda date)	(class)	(Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.563 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 47433 S/N 230-3	N/A
(2)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
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(44)		
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(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 47433 S/N 230-3 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/13/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 12/13/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 12/13/02 Signed (authorized inspector) Commissions NY5070 AJ [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 552 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 7 Cover A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.3125 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 47433 S/N 231-1	N/A
(2)	HT: 47433 S/N 231-2	N/A
(3)	HT: 47433 S/N 231-3	N/A
(4)	HT: 47433 S/N 231-4	N/A
(5)	HT: 47433 S/N 231-5	N/A
(6)	HT: 47433 S/N 231-6	N/A
(7)	HT: 47433 S/N 231-7	N/A
(8)		
(9)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
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(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 10/31/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 10/31/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/31/02 Signed [signature] (authorized inspector) Commissions NY5070 [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (mat'l. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 1	N/A
(2)	HT: 72402 S/N 2	N/A
(3)	HT: 72402 S/N 3	N/A
(4)	HT: 72402 S/N 5	N/A
(5)		
(6)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
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(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N: 1, 2, 3, 5

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 11/14/02 Signed (authorized inspector) Commissions NY5070 BN [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32467-622-D Rev.9 (drawing no.) | SA 105 GR II (matl. spec. no.) | 546 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.5 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 47433 S/N 230-4	N/A
(2)		
(3)		
(4)		
(5)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
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(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 47433 S/N 230-4 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/13/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 12/13/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 12/13/02 Signed (authorized inspector) Commissions NY5070 A, N (Nat'l Bd. (incl. Endorsements) and state or prov. and no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 552 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 7 Cover A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.3125 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 47433 S/N 231-1	N/A
(2)	HT: 47433 S/N 231-2	N/A
(3)	HT: 47433 S/N 231-3	N/A
(4)	HT: 47433 S/N 231-4	N/A
(5)	HT: 47433 S/N 231-5	N/A
(6)	HT: 47433 S/N 231-6	N/A
(7)	HT: 47433 S/N 231-7	N/A
(8)		
(9)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
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(33)		
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(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 10/31/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 10/31/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/31/02 Signed [signature] (authorized inspector) Commissions NY5070 [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (mat'l. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 4	N/A
(2)	HT: 72402 S/N 6	N/A
(3)	HT: 72402 S/N 7	N/A
(4)	HT: 72402 S/N 8	N/A
(5)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
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(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N 4, 6, 7, 8

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 11/14/02 Signed [signature] (authorized inspector) Commissions NY5070 : A,N [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32467-622-D Rev.9 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 546 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.438 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 47433 S/N 230-5	N/A
(2)		
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(23)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
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(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 47433 S/N 230-5 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/17/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 12/17/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 12/17/02 Signed (authorized inspector) Commissions NB 3084 'N'
[Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

or Information Only

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 80,000 PSI (tensile strength) | N/A (CRN) | 2001 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 11 Qty. 2 Cover A&M P/N 32162-409-2974-000 QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.312 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: H3391 S/N 7	N/A
(2)	HT: H3391 S/N 8	N/A
(3)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
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(33)		
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(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in Items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

For Information Only

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: H3391 S/N 7 through S/N 8

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/14/01 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.I & I. Co.

of Hartford, CT have inspected these items described in this Data Report on 12/14/01, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 12/14/01 Signed (authorized inspector) Commissions NY5070 A,N (Nat'l Bd. (incl. Endorsements) and state or prov. and no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (mat'l. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 1	N/A
(2)	HT: 72402 S/N 2	N/A
(3)	HT: 72402 S/N 3	N/A
(4)	HT: 72402 S/N 5	N/A
(5)		
(6)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
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(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N: 1, 2, 3, 5

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 11/14/02 Signed (authorized inspector) Commissions NY5070 AW [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32467-622-D Rev.9 (drawing no.) | SA 105 GR II (mat'l spec. no.) | 546 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.5 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 47433 S/N 230-6	N/A
(2)		
(3)		
(4)		
(5)		
(6)		
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(24)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
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(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 47433 S/N 230-6 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/13/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 12/13/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 12/13/02 Signed [signature] (authorized inspector) Commissions NY5070 A,N [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 552 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 7 Cover A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.3125 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 47433 S/N 231-1	N/A
(2)	HT: 47433 S/N 231-2	N/A
(3)	HT: 47433 S/N 231-3	N/A
(4)	HT: 47433 S/N 231-4	N/A
(5)	HT: 47433 S/N 231-5	N/A
(6)	HT: 47433 S/N 231-6	N/A
(7)	HT: 47433 S/N 231-7	N/A
(8)		
(9)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
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(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 10/31/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 10/31/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/31/02 Signed (authorized inspector) Commissions NY5070 (Nat'l Bd. (incl. Endorsements) and state or prov. and no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (mat'l. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121 QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 4	N/A
(2)	HT: 72402 S/N 6	N/A
(3)	HT: 72402 S/N 7	N/A
(4)	HT: 72402 S/N 8	N/A
(5)		
(6)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
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(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N 4, 6, 7, 8

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 11/14/02 Signed [signature] (authorized inspector) Commissions NY5070 A,N (Nat'l Bd. (incl. Endorsements) and state or prov. and no.)

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32467-622-D Rev.9 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 532 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.5 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 21115 S/N 1	N/A
(2)		
(3)		
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(20)		
(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
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(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 21115 S/N 1 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/17/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 12-17-02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 12/17/02 Signed [signature] (authorized inspector) Commissions 1446 3084 'N' [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 552 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 7 Cover A&M P/N 32162-409-2974-000 QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.3125 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 47433 S/N 231-1	N/A
(2)	HT: 47433 S/N 231-2	N/A
(3)	HT: 47433 S/N 231-3	N/A
(4)	HT: 47433 S/N 231-4	N/A
(5)	HT: 47433 S/N 231-5	N/A
(6)	HT: 47433 S/N 231-6	N/A
(7)	HT: 47433 S/N 231-7	N/A
(8)		
(9)		
(10)		
(11)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
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(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 10/31/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 10/31/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 10/31/02 Signed [signature] (authorized inspector) Commissions NY5070 [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (matl. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 4	N/A
(2)	HT: 72402 S/N 6	N/A
(3)	HT: 72402 S/N 7	N/A
(4)	HT: 72402 S/N 8	N/A
(5)		
(6)		
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	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
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(46)		
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(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N 4, 6, 7, 8

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T.

of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 11/14/02 Signed [signature] (authorized inspector) Commissions NY5070 A,N [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32467-622-D Rev.9 (drawing no.) | SA 105 GR II (mat'l. spec. no.) | 546 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty.1 Poppet A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 7.5 Min. design thickness (in.) 5.49 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT 47433 S/N 230-8	N/A
(2)		
(3)		
(4)		
(5)		
(6)		
(7)		
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(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
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(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 47433 S/N 230-8 through N/A

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 12/13/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed Brian D. Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 12/13/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 12/13/02 Signed (authorized inspector) Commissions NY5070 A,N [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32162-409-D Rev. 1 (drawing no.) | SA 105 GR II (matl. spec. no.) | 552 MPa (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 7 Cover A&M P/N 32162-409-2974-000_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition summer 1971 addenda

8. Nom. Thickness (in.) 5.3125 Min. design thickness (in.) 5.094 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 47433 S/N 231-1	N/A
(2)	HT: 47433 S/N 231-2	N/A
(3)	HT: 47433 S/N 231-3	N/A
(4)	HT: 47433 S/N 231-4	N/A
(5)	HT: 47433 S/N 231-5	N/A
(6)	HT: 47433 S/N 231-6	N/A
(7)	HT: 47433 S/N 231-7	N/A
(8)		
(9)		
(10)		
(11)		
(12)		
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(17)		
(18)		
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(21)		
(22)		
(23)		
(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
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(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT:47433 S/N 231-1 through S/N 231-7

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Cover conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 10/31/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 10/31/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 10/31/02 Signed [signature] (authorized inspector) Commissions NY5070 [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*
As Required by the Provisions of the ASME Code, Section III
Not to Exceed One Day's Production

1. Manufactured and certified by Atwood & Morrill Co., Inc. 285 Canal Street Salem, MA 01970
(name and address of NPT Certificate Holder)

2. Manufactured for Pennsylvania Power & Light Berwick, PA 18603
(name and address of Purchaser)

3. Location of installation Susquehanna II 2 North Ninth Street Allentown, PA 18101-1179
(name and address)

4. Type: *32462-613-C Rev.0 (drawing no.) | SA 479-304 (mat'l. spec. no.) | 87,800 PSI (tensile strength) | N/A (CRN) | 2002 (year built)

5. ASME Code, Section III, Division 1: 1971 (edition) | S71 (addenda date) | 1 (class) | N/A (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) N/A (no.) Revision N/A Date N/A

7. Remarks: Cust. Item 01 A&M Item 21 Qty. 4 Pilot Poppet A&M P/N 32462-613-4226-121_QLA (A&M S.O. 90168) *Dwg. prepared by A&M. This certification meets the required information of ASME Section III 1971 Edition Summer 1971 addenda

8. Nom. Thickness (in.) 1.50 Min. design thickness (in.) 1.36 Dia. ID (ft & in.) N/A Length overall (ft& in.) N/A

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(1)	HT: 72402 S/N 4	N/A
(2)	HT: 72402 S/N 6	N/A
(3)	HT: 72402 S/N 7	N/A
(4)	HT: 72402 S/N 8	N/A
(5)		
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(24)		
(25)		

	Part or Appurtenance Serial Number	National Board No. In Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
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(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure 1250 psi. Temp. 575 °F. Hydro. test pressure N/A (when applicable) At temp. °F

*Supplemental information in the form of lists, sketches, or drawings may be used provided (1) size is 8 ½ x 11, (2) information in items 2 and 3 on this Data Report is included on each sheet is numbered and the number of sheets is recorded at the top of this form.

FORM N-2 (Back – Pg. 2 of 2)

Certificate Holders' Serial Nos. HT: 72402 through S/N 4, 6, 7, 8

CERTIFICATION OF DESIGN

Design specifications certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

Design report * certified by N/A (when applicable) P.E. State N/A Reg. no. N/A

CERTIFICATE OF COMPLIANCE

We certify that the statements made in this report are correct and that this (these) Pilot Poppet conforms to the rules of construction of the ASME Code, Section III, Division 1.

NPT Certificate of Authorization No. N2607 Expires 6-13-04

Date 11/14/02 Name Atwood & Morrill Co., Inc. (NPT Certificate Holder) Signed Brian O Sullivan (authorized representative)

CERTIFICATE OF INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of New York And employed by H.S.B.C.T. of Hartford, CT have inspected these items described in this Data Report on 11/14/02, and state that to the Best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III, Division 1. Each part listed has been authorized for stamping on the date shown above.

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

Date 11/14/02 Signed (authorized inspector) Commissions NY5070 A,N [Nat'l Bd. (incl. Endorsements) and state or prov. and no.]

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 16 JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 1 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1. VALVE BONNET STEM LEAK OFF	ANCHOR DARLING	E5853-54-1	N/A	HV20109	1976	REPLACED	YES
2. VALVE BONNET PLUG	PPL	N/A	N/A	HV20109	2003	REPLACEMENT	NO
3. VALVE BONNET STEM LEAK OFF	ANCHOR DARLING	E5853-55-1	N/A	HV20111	1975	REPLACED	YES
4. VALVE BONNET PLUG	PPL	N/A	N/A	HV20111	2003	REPLACEMENT	NO
5. VALVE BONNET STEM LEAK OFF	ANCHOR DARLING	E5853-97-1	N/A	HV20107	1976	REPLACED	YES
6. VALVE BONNET PLUG	PPL	N/A	N/A	HV20107	2003	REPLACEMENT	NO
7. SMALL PIPE SNUBBER SUPPORT	BECHTEL	N/A	N/A	SPDBB208-H13	1983	REPLACED	YES

7. Description of Work SEE PAGE 4 OF 4

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☒ SEE PAGE 4 OF 4
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks MANUFACTURERS DATA SHEET ATTACHED

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Gerlach Date June 19, 20 03

Owner or Owner's Designee, Title Welding Engineer

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 12-9-02 to 4-13-03, 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.

William R. Rogue III Commissions NB 7980 A,N,I,B,NS PA2204

Inspector's Signature National Board, State, Province, and Endorsements

Date JUNE 20 2003

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 16-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 2 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

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)
8. SMALL PIPE SNUBBER SUPPORT	BECHTEL	N/A	N/A	SPDBB208-H17	1983	REPLACED	YES
9. SMALL PIPE SNUBBER SUPPORT	BECHTEL	N/A	N/A	SPDBB208-H87	1983	REPLACED	YES
10. SMALL PIPE SNUBBER SUPPORT	BECHTEL	N/A	N/A	SPDBB208-H88	1983	REPLACED	YES
11. SMALL PIPE SNUBBER SUPPORT	BECHTEL	N/A	N/A	SPDBB208-H89	1983	REPLACED	YES
12. STEM / DISC ASSEMBLY	YARWAY	1883	N/A	HV20112A1	1983	REPLACED	YES
13. STEM / DISC ASSEMBLY	YARWAY	AA00-B23	N/A	HV20112A1	2001	REPLACEMENT	YES
14. BACK SEAT BUSHING	YARWAY	3986	N/A	HV20112A1	1983	REPLACED	NO
15. BACK SEAT BUSHING	YARWAY	5293	N/A	HV20112A1	2000	REPLACEMENT	NO
16. STEM / DISC ASSEMBLY	YARWAY	D14-C-7	N/A	HV20112B1	1988	REPLACED	YES
17. STEM / DISC ASSEMBLY	YARWAY	AA00-B25	N/A	HV20112B1	2001	REPLACEMENT	YES
18. BACK SEAT BUSHING	YARWAY	3986	N/A	HV20112B1	1983	REPLACED	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 16-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 3 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE PAGE 4 OF 4 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp NONE

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

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)
19. BACK SEAT BUSHING	YARWAY	5293	N/A	HV20112B1	2000	REPLACEMENT	NO
20. STEM / DISC ASSEMBLY	YARWAY	D7	N/A	HV20112C1	1983	REPLACED	YES
21. STEM / DISC ASSEMBLY	YARWAY	AA00-A19	N/A	HV20112C1	2001	REPLACEMENT	YES
22. BACK SEAT BUSHING	YARWAY	3986	N/A	HV20112C1	1983	REPLACED	NO
23. BACK SEAT BUSHING	YARWAY	5293	N/A	HV20112C1	1993	REPLACEMENT	NO
24. STEM / DISC ASSEMBLY	YARWAY	D7	N/A	HV20112D1	1983	REPLACED	YES
25. STEM / DISC ASSEMBLY	YARWAY	AA00-A3	N/A	HV20112D1	2001	REPLACEMENT	YES
26. BACK SEAT BUSHING	YARWAY	3986	N/A	HV20112D1	1983	REPLACED	NO
27. BACK SEAT BUSHING	YARWAY	5293	N/A	HV20112D1	1993	REPLACEMENT	NO

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

1. Owner PPL SUSQUEHANNA, LLC (NAME) — Date 16-JUNE-2003

769 SALEM BLVD, BERWICK, PA 18603 (Address) — Sheet 4 of 4

2. Plant SUSQUEHANNA STEAM ELECTRIC STATION (NAME) — Unit TWO

769 SALEM BLVD, BERWICK, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL SUSQUEHANNA, LLC (NAME) — Type Code Symbol Stamp None

769 SALEM BLVD, BERWICK, PA 18603 (ADDRESS) — Authorization N/A

Expiration Date N/A

4. Identification of System MAIN STEAM 283A-II

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, No Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 NO ADDENDA

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM No	CRF / PCWO / MOD	DESCRIPTION OF WORK	YEAR / ADDENDA	CODE CASES	TESTING	PRESSURE TEST	
						PRESS	TEMP
1 thru 4	G02-283-025 412512 333369	DELETION OF VALVE STEM LEAKOFF PLUG BONNET LEAK OFF CONNECTION.	1971 Ed W 72 Ad	1516-1 1534	NONE	N/A	N/A
5 and 6	G02-283-024 412510 333369	DELETION OF VALVE STEM LEAKOFF PLUG BONNET LEAK OFF CONNECTION.	1971 Ed W 72 Ad	1516-1 1534	NONE	N/A	N/A
7 thru 11	G02-283-026 406052 352976	PERMANENT REMOVAL OF SMALL PIPE SNUBBER SUPPORTS. REPLACED WITH NO REPLACEMENT	1971 Ed W 72 Ad	N411	NONE	N/A	N/A
12 thru 15	G02-283-028 420872 408912	REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING. TRANSFER CODE PLATE TO REPLACMENT YOKE	1971 Ed W 73 Ad 1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
16 thru 19	G02-283-029 420882 408912	REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING. TRANSFER CODE PLATE TO REPLACMENT YOKE	1971 Ed W 73 Ad 1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
20 thru 23	G02-283-030 420891 408912	REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING.	1971 Ed W 73 Ad 1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A
24 thru 27	G02-283-031 420895 408912	REPLACE STEM/DISC ASSEMBLY AND BACKSEAT BUSHING.	1971 Ed W 73 Ad 1974 Ed W 74 Ad 1986 Ed No Ad	NONE	NONE	N/A	N/A

For Information Only

WIP ORDER 5031562 FTS ORDER NO 2025565

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 (name and address of NPT Certificate Holder)

2. Manufactured for FRAMATOME TECHNOLOGIES, LYNCHBURG, VA 24506 (name and address of purchaser)

3. Location of installation STOCK (name and address)

4. Type 969155-06 (drawing no.) | AMS5385E (disc) (mat'l. spec. no.) | 52,000 PSI MIN. (tensile strength) | N/A (CRN) | 2000 (year built)

5. ASME Code, Section III: 1986 (edition) | NONE (addenda date) | 1 (class) | — (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) — (no.) Revision — Date —

7. Remarks: FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A. PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS.

8. Nom. thickness (in.) — Min. design thickness (in.) — Dia. ID (ft. & in.) — Length overall (ft. & in.) —

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	AA00-A1	—
(2)	AA00-A2	
(3)	AA00-A3	
(4)	AA00-A4	
(5)	~~AA00-A5~~ 7/31/00 07:21:00	
(6)	AA00-A6	
(7)	AA00-A7	
(8)	~~AA00-A8~~ 7/27/00	
(9)	AA00-A9	
(10)	AA00-A10	
(11)	AA00-A11	
(12)	AA00-A12	
(13)	AA00-A13	
(14)	AA00-A14	
(15)	AA00-A15	
(16)	AA00-A16	
(17)	AA00-A17	
(18)	~~AA00-A18~~ 7/27/00	
(19)	AA00-A19	
(20)	AA00-A20	
(21)	AA00-A21	
(22)	AA00-A22	
(23)	AA00-A23	
(24)	AA00-A24	
(25)	AA00-A25	

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)		
(27)		
(28)		
(29)		
(30)		
(31)		
(32)		
(33)		
(34)		
(35)		
(36)		
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(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

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10. Design pressure ** psi. Temp. ** °F Hydro. test pressure N/A (when applicable) at temp. °F

**FOR ANSI CLASS 1500 VALVES

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

(12/86) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300

For Information Only

FORM N-2 (back)

Mfr. Serial No. SEE FRONT

CERTIFICATION OF DESIGN

Design specifications certified by (SEE REMARKS) (when applicable) P.E. State _____ Reg. no. _____

Design report* certified by N/A (when applicable) P.E. State _____ Reg. no. _____

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) STEM AND DISC ASSEMBLIES, 1 INCH conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N-2450 Expires November, 14, 2001

Date July 21, 2000 Name YARWAY CORPORATION (NPT Certificate Holder) Signed [signature] (authorized representative)

CERTIFICATE OF SHOP 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston, RI have inspected these items described in this Data Report on 07/21/00 and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.
By signing this certificate, neither the inspector nor his employer makes any warranty, expressed or implied, concerning the equipment described in this Data Report. Furthermore, neither the inspector nor his employer shall be liable in any manner for any personal injury or property damage or loss of any kind arising from or connected with this inspection.

Date 07/21/00 Signed [signature] (Authorized Inspector) Commissions PA 2389 A.B.N.S.I (Nat'l. Bd. [incl. endorsements] state or prov. and no.)

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For Information Only

WIP ORDER 5041156 SALES ORDER NO 2037906

FORM N-2 CERTIFICATE HOLDERS' DATA REPORT FOR IDENTICAL NUCLEAR PARTS AND APPURTENANCES*

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

Not to Exceed One Day's Production

1. Manufactured and certified by YARWAY CORPORATION, 480 NORRISTOWN ROAD, BLUE BELL, PA 19422-0760 (name and address of NPT Certificate Holder)

2. Manufactured for FRAMATOME ANP, Inc., LYNCHBURG, VA 24506 (name and address of purchaser)

3. Location of installation STOCK (name and address)

4. Type 969155-06 (drawing no.) | AMS5385E (disc) (matl. spec. no.) | 52,000 PSI MIN. (tensile strength) | N/A (CRN) | 2001 (year built)

5. ASME Code, Section III: 1986 (edition) | NONE (addenda date) | 1 (class) | — (Code Case no.)

6. Fabricated in accordance with Const. Spec. (Div. 2 only) — (no.) Revision — Date —

7. Remarks: FABRICATED IN ACCORDANCE WITH CONSTRUCTION DATA 969005 REV. A. PRESSURE RETAINING PARTS FOR YARWAY SERIES 5500 GLOBE VALVE. THE OWNER OR THEIR DESIGNEE SHALL BE RESPONSIBLE FOR RECONCILING THIS CONSTRUCTION DATA WITH THE DESIGN SPECIFICATION FOR THE FACILITY USING THE PARTS.

8. Nom. thickness (in.) — Min. design thickness (in.) — Dia. ID (ft. & in.) — Length overall (ft. & in.) —

9. When applicable, Certificate Holders' Data Reports are attached for each item of this report:

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(1)	AA00-B1	—
(2)	AA00-B2	
(3)	AA00-B3	
(4)	AA00-B4	
(5)	AA00-B5	
(6)	AA00-B6	
(7)	AA00-B7	
(8)	AA00-B8	
(9)	AA00-B9	
(10)	AA00-B10	
(11)	AA00-B11	
(12)	AA00-B12	
(13)	AA00-B13	
(14)	AA00-B14	
(15)	AA00-B15	
(16)	AA00-B16	
(17)	AA00-B17	
(18)	AA00-B18	
(19)	AA00-B19	
(20)	AA00-B20	
(21)	AA00-B21	
(22)	AA00-B22	
(23)	AA00-B23	
(24)	AA00-B24	
(25)	AA00-B25	

	Part or Appurtenance Serial Number	National Board No. in Numerical Order
(26)	AA00-B26	
(27)	AA00-B27	
(28)	AA00-B28	
(29)	AA00-B29	
(30)	AA00-B30	
(31)	AA00-B31	
(32)	AA00-B32	
(33)	AA00-B33	
(34)		
(35)		
(36)		
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(38)		
(39)		
(40)		
(41)		
(42)		
(43)		
(44)		
(45)		
(46)		
(47)		
(48)		
(49)		
(50)		

10. Design pressure ** psi. Temp. ** °F Hydro. test pressure N/A (when applicable) at temp. °F

**FOR ANSI CLASS 1500 VALVES

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

(12/86) This form (E00040) may be obtained from the Order Dept., ASME, 22 Law Drive, Box 2300, Fairfield, NJ 07007-2300.

For Information Only

FORM N-2 (back)

Mfr. Serial No. SEE FRONT

CERTIFICATION OF DESIGN

Design specifications certified by (SEE REMARKS) (when applicable) P.E. State ______ Reg. no. ______

Design report* certified by N/A (when applicable) P.E. State ______ Reg. no. ______

CERTIFICATE OF SHOP COMPLIANCE

We certify that the statements made in this report are correct and that this (these) STEM AND DISC ASSEMBLIES, 1 INCH conforms to the rules of construction of the ASME Code, Section III.

NPT Certificate of Authorization No. N-2450 Expires November, 14, 2001

Date 5/11/01 Name YARWAY CORPORATION (NPT Certificate Holder) Signed F.W. Oeszka (authorized representative)

CERTIFICATE OF SHOP 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 PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE COMPANY of Johnston, RI have inspected these items described in this Data Report on 5/11/01, and state that to the best of my knowledge and belief, the Certificate Holder has fabricated these parts or appurtenances in accordance with the ASME Code, Section III. Each part listed has been authorized for stamping on the date shown above.

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

Date 5/11/01 Signed [signature] (Authorized Inspector) Commissions PA 2056 NI 8S1SA (Nat'l. Bd. (incl. endorsements) state or prov. and no.)

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APPENDIX D.3

SNUBBER REPLACEMENT
NIS-2 FORMS

Attachment D3.A

SNUBBERS REPLACED

N-5 SUS.	WORK ORDER	SUPPORT IDENTIFICATION
249-I	375131	DCA208-H7
262-I	375121	DBA205-H11
264-I	375129	DCA202-H3
264-I	375260	RWS200-H36
264-I	375131	DCA208-H7
264-I	462125	RWS200-H30
264-I	375261	RWS200-H40
264-I	375269	SPDCA202-H2602
264-I	462207	SPDCA202-H23
264-I	462207	SPDCA202-H2600
264-I	461725	DCA202-H4B
283-III	375172	GBC201-H338
283-III	461871	GBC201-H336

Attachment D3.B

REPLACEMENT OF SNUBBER PARTS

N-5 SUS.	WORK ORDER	SUPPORT IDENTIFICATION	REPLACED PARTS
264-I	375129	DCA202-H3	1 Load Stud, 2 Heavy Hex Nuts, 1 Pivot Pin
264-I	375260	RWS200-H36	1 End Cap, 1 Adapter Nut
264-I	462956	RWS200-H31	1 Load Stud, 2 Heavy Hex Nuts

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) — Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

769 Salem Blvd, Berwick, PA 18603 (Address) — MAIN/PCWO 375131 — Code Form No. I 03 249 005 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 249 G,Class I , RHR SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Add.

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)
Mechanical Shock Arrestor	Pacific Scientific	07400	N/A	DCA208H7	1981	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	01348	N/A	DCA208H7	1978	Replacement	No

7. Description of Work Replaced existing snubber with same size,tested replacement snubber

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Date April 22, 20 03

Owner or Owner's Designee, Title Welding Engineer - Site Design Group

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3/9/2003 to 4/15/2003, 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.

William R. Rogers III Commissions NB7980 I PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date 23. MAY 2003

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) — Sheet 1 of 1

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

769 Salem Blvd, Berwick, PA 18603 (Address) — MAIN/PCWO 375121 — Code Form No. I 03 262 014 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 262 A, Class I , REACTOR VESSEL SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case

(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Add.

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)
Mechanical Shock Arrestor	Pacific Scientific	16325	N/A	DBA205H11	1983	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	14209	N/A	DBA205H11	1982	Replacement	No

7. Description of Work Replaced existing snubber with same size,tested replacement snubber

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X

Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Date April 22, 20 03

Owner or Owner's Designee, Title Welding Engineer - Site Design Group

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3/9/2003 to 4/15/2003, 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.

William R. Rogers II Commissions NB7980 I PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date 23. May 2003

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) — Sheet 1 of 7

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2 (Main/PCWO) (Code Form No.)

769 Salem Blvd, Berwick, PA 18603 (Address) — See Sheet 6 of 7 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 264B, Class I, RECIRC WATER LOOPS AND JET PUMPS SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Add.

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)
Mechanical Shock Arrestor (Item 1)	Pacific Scientific	6072	N/A	DCA202H3	1978	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	6073	N/A	DCA202H3	1978	Replacement	No
Mechanical Shock Arrestor (Item 2)	Pacific Scientific	3715	N/A	RWS200H36	1978	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	1368	N/A	RWS200H36	1978	Replacement	No
Mechanical Shock Arrestor (Item 3)	Pacific Scientific	3208	N/A	RWS200H40	1978	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	8629	N/A	RWS200H40	1981	Replacement	No

7. Description of Work Replaced existing snubber with same size, tested replacement snubber

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed [signature] Date April 22, 20 03

Owner or Owner's Designee, Title Welding Engineer - Site Design Group

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3/9/2003 to 4/15/2003, 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.

William R. Rogers III Commissions NB 7980 1 PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date 23 - MAY 2003

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) — Sheet 2 of 7

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

769 Salem Blvd, Berwick, PA 18603 (Address) — See Sheet 6 of 7 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 264B, Class I, RECIRC WATER LOOPS AND JET PUMPS SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No add.

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)
Mechanical Shock Arrestor (Item 4)	Pacific Scientific	18569	N/A	SPDCA202H2602	1981	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	20814	N/A	SPDCA202H2602	1982	Replacement	No
Mechanical Shock Arrestor (Item 5)	Pacific Scientific	3719	N/A	RWS200H30	1978	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	8630	N/A	RWS200H30	1981	Replacement	No
Mechanical Shock Arrestor (Item 6)	Pacific Scientific	4569	N/A	DCA202H4B	1978	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	19477	N/A	DCA202H4B	1981	Replacement	No

7. Description of Work Replaced existing snubber with same size, tested replacement snubber

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) — Sheet 3 of 7

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

769 Salem Blvd, Berwick, PA 18603 (Address) — See Sheet 6 of 7 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 264B, Class I, RECIRC WATER LOOPS AND JET PUMPS SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Add.

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)
Mechanical Shock Arrestor (Item 7)	Pacific Scientific	11128	N/A	SPDCA202H23	1980	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	20806	N/A	SPDCA202H23	1982	Replacement	No
Mechanical Shock Arrestor (Item 8	Pacific Scientific	18830	N/A	SPDCA202H2600	1981	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	18804	N/A	SPDCA202H2600	1981	Replacement	No

7. Description of Work Replaced existing snubber with same size, tested replacement snubber

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) — Sheet 4 of 7

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

769 Salem Blvd, Berwick, PA 18603 (Address) — See Sheet 6 of 7 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 264B, Class I, RECIRC WATER LOOPS AND JET PUMPS SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 LOAD STUD (Item 9)	GRINNEL	Item# 13 *(1)	N/A	DCA202H3	*(1)	Replaced	No
1 LOAD STUD	GRINNEL	Item# 13 *(1)	N/A	DCA202H3	*(1)	Replacement	No
1 PIVOT PIN (Item 10)	GRINNEL	Item# 6 *(1)	N/A	DCA202H3	*(1)	Replaced	No
1 PIVOT PIN	GRINNEL	Item# 6 *(1)	N/A	DCA202H3	*(1)	Replacement	No
2 HEAVY HEX NUTS (Item 11)	GRINNEL	Item# 14 *(1)	N/A	DCA202H3	*(1)	Replaced	No
2 HEAVY HEX NUTS	GRINNEL	Item# 14 *(1)	N/A	DCA202H3	*(1)	Replacement	No

*NOTE(1): Serial/Heat Number And Year Built Not Available

7. Description of Work Replaced existing parts with sufficient replacement parts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) — Sheet 5 of 7

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

769 Salem Blvd, Berwick, PA 18603 (Address) — See Sheet 7 of 7 (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 264B, Class I, RECIRC WATER LOOPS AND JET PUMPS SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No add.

6. Identification of Components Repaired or Replaced and Replacement Components

Name of Component	Name of Manufacturer	Manufacturer Serial No.	National Board No.	Other Identification	Year Built	Repaired, Replaced, or Replacement	ASME Code Stamped (Yes or No)
1 LOAD STUD (Item 12)	GRINNEL	Item# 13 *(1)	N/A	RWS200H31	*(1)	Replaced	No
1 LOAD STUD	GRINNEL	Item# 13 *(1)	N/A	RWS200H31	*(1)	Replacement	No
2 HEAVY HEX NUTS (Item 13)	GRINNEL	Item# 14 *(1)	N/A	RWS200H31	*(1)	Replaced	No
2 HEAVY HEX NUTS	GRINNEL	Item# 14 *(1)	N/A	RWS200H31	*(1)	Replacement	No
1 End Cap (Item 14)	PSA	N/A	N/A	RWS200H36	*(1)	Replaced	No
1 End Cap	PSA	N/A	N/A	RWS200H36	*(1)	Replacement	No
1 Adapter Nut (Item 15)	PSA	Item# 1 *(1)	N/A	RWS200H36	*(1)	Replaced	No
1 Adapter Nut	PSA	Item# 1 *(1)	N/A	RWS200H36	*(1)	Replaced	No

*NOTE(1): Serial/Heat Number And Year Built Not Available

7. Description of Work Replaced existing parts with sufficient replacement parts.

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

Two North Ninth St., Allentown, PA 18101 (Address) — Sheet 6 of 7

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

PO Box 467 / 707 Salem Blvd. Berwick, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol None

Two North Ninth St., Allentown, PA 18101 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 264B, CLASS I, RECIRC, WATER LOOPS AND JET PUMP SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, NO Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM(S)	WORK ORDER NO.	CODE REPAIR FORM NO.
1	375129	I 03 264 001
2	375260	I 03 264 003
3	375261	I 03 264 007
4	375269	I 03 264 008
5	462125	I 03 264 006
6	461725	I 03 264 012
7	462207	I 03 264 015
8	462207	I 03 264 016
9	375129	I 03 264 002
10	375129	I 03 264 002
11	375129	I 03 264 002

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

Two North Ninth St., Allentown, PA 18101 (Address) — Sheet 7 of 7

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

PO Box 467 / 707 Salem Blvd. Berwick, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol None

Two North Ninth St., Allentown, PA 18101 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 264B, CLASS I, RECIRC, WATER LOOPS AND JET PUMP SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, NO Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Addenda

6. Identification of Components Repaired or Replaced and Replacement Components

ITEM(S)	WORK ORDER NO.	CODE REPAIR FORM NO.
12	462956	I 03 264 017
13	462956	I 03 264 017
14	375260	I 03 264 004
15	375260	I 03 264 004

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

1. Owner PPL Susquehanna, LLC (Name) Date 4/22/2003

769 Salem Blvd, Berwick, PA 18603 (Address) Sheet 1 of 2

2. Plant Susquehanna Steam Electric Station (Name) Unit 2

769 Salem Blvd, Berwick, PA 18603 (Address) MAIN/PCWO See sheet 2 of 2 (Repair Organization P.O. No., Job No., etc.) Code Form No.

3. Work Performed by PPL Susquehanna, LLC (Name) Type Code Symbol Stamp None

769 Salem Blvd, Berwick, PA 18603 (Address) Authorization No. N/A

Expiration Date N/A

4. Identification of System 283 D,Class III , MAIN STEAM SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, N/A Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Add.

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)
Mechanical Shock Arrestor (item 1)	Pacific Scientific	2508	N/A	GBC201H336	1977	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	14184	N/A	GBC201H336	1982	Replacement	No
Mechanical Shock Arrestor (item 2)	Pacific Scientific	2073	N/A	GBC201H338	1977	Replaced	No
Mechanical Shock Arrestor	Pacific Scientific	2598	N/A	GBC201H338	1977	Replacement	No

7. Description of Work Replaced existing snubber with same size,tested replacement snubber

8. Tests Conducted: Hydrostatic ☐ Pneumatic ☐ Nominal Operating Pressure ☐ NONE X
Other ☐ Pressure _____ psi Test Temp. _____ °F

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

FORM NIS-2 (Back)

9. Remarks N/A

Applicable Manufacturer's Data Reports to be attached

CERTIFICATION OF COMPLIANCE

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

Type Code Symbol Stamp N/A

Certificate of Authorization No. N/A Expiration N/A

Signed E B Seibel Date April 22, 20 03

Owner or Owner's Designee, Title Welding Engineer - Site Design Group

CERTIFICATION OF INSERVICE INSPECTION

I, the undersigned, holding a valid commission issued by the National Board of Boiler and Pressure Vessel Inspectors and the State or Province of PENNSYLVANIA and employed by FACTORY MUTUAL INSURANCE CO. of JOHNSTON, RHODE ISLAND have inspected the components described in this Owner's Report during the period 3/9/2003 to 4/15/2003, 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.

William R. Reguso III Commissions NB7980 I PA 2204

Inspector's Signature National Board, State, Province, and Endorsements

Date 23 - May 2003

283D-III

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

1. Owner PPL Susquehanna, LLC (Name) — Date 4/22/2003

Two North Ninth St., Allentown, PA 18101 (Address) — Sheet 2 of 2

2. Plant Susquehanna Steam Electric Station (Name) — Unit 2

PO Box 467 / 707 Salem Blvd. Berwick, PA 18603 (Address) — SEE BELOW (Repair Organization P.O. No., Job No., etc.)

3. Work Performed by PPL Susquehanna, LLC (Name) — Type Code Symbol None

Two North Ninth St., Allentown, PA 18101 (Address) — Authorization No. N/A

Expiration Date N/A

4. Identification of System 283D, CLASS III, MAIN STEAM SYSTEM

5. (a) Applicable Construction Code III 19 71 Edition, thru W'72 Addenda, NO Code Case
(b) Applicable Edition of Section XI Utilized for Repairs or Replacements 19 89 No Addenda

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

ITEM(S)	WORK ORDER NO.	CODE REPAIR FORM NO.
1	461871	I 03 283 013
2	375172	I 03 283 009

APPENDIX E
EROSION/CORROSION
SCOPE OF EXAMINATIONS

COMPONENT ID	TYPE/SIZE	SYS#	E/C
1SCVL-E1(X2089)	ELB/1.5"	192	4.50%
1SCVL-E37(X2563)	ELB/1.5"	192	19.40%
1SCVL-E9(X2389)	TEE/1.5X1.5"	192	22.40%
2E103A-E1(X2894)	FWHTR	247	136.90%
2E103B-E1(X2895)	FWHTR	247	164.50%
2E103C-E1(X2896)	FWHTR	247	124.06%
2E104B-E1(X2898)	FWHTR	247	120.32%
2E105B-E1(X901)	FWHTR	247	100.00%
2SCVL-E10(X2375)	ELB/1.5"	192	46.30%
2SCVL-E12(X2373)	ELB/1.5"	192	41.80%
2SCVL-E15(X2370)	BEND/1.5"	192	79.00%
3SCVL-E17(X2559)	TEE/1.5X.5"	192	17.90%
3SCVL-E36(X2564)	ELB/1.5"	192	14.90%
3SCVL-E9(X2242)	BEND/1.5"	192	25.30%
3SLBPV-E9(X2097)	ELB/.5"	192	42.50%
DBA2012-E1(X2696)	ELB/6"	261	53.40%
DBB2222-E1(X2500)	VLV/4"	261	80%
DBC2011-E1A/B(2695)	TEE/6X4"	261	66.60%
DBD2011-E3(X2050)	ELB/18"	245	41%
DBD2012-E3(X2061)	ELB/18	245	52%
DBD2041-E1A/B(X-2152)	RED/10X8"	245	46.50%
DBD2042-E1A/B(X2153)	RED/8X10"	245	42.20%
DBD2051-E3(X2055)	ELB/14	245	30%
DBD2051-E9(X2054)	ELB/16	245	24.56%
DLA2021-E1(X2177)	ELB/12"	245	35.37%
DLA2021-E2A/B(X2176)	RED/20X12"	245	41%
DLA2021-E3A/B(X2175)	TEE/20X12"	245	53.30%
DLA2021-E5A/B(X2596)	TEE/24X12"	245	33%
DLA2041-E1(X2142)	ELB/12"	245	36.20%
DLA2041-E3A/B(X2140)	TEE20X12"	245	31.80%
DLA2041-E5A/B(X2594)	TEE24X12"	245	34%
EBD2025-E1A/B/C(X2694)	ORF18X14X12	282	88%
EBD2142-E2(X2689)	ELB/4	283	47%
GAD2011-E1(X2249)	TEE/10X10"	284	52.90%
GAD2011-E2(X2167)	VLV/6"	284	0%
GAD2012-E1(X2248)	TEE10X10"	284	54%
GAD2012-E3(X2457)	TEE10X10"	284	86.50%

COMPONENT ID	TYPE/SIZE	SYS#	E/C
GAD2013-E1(X2012)	TEE10X10"	284	69%
GAD2013-E3(X2458)	TEE10X10"	284	75.80%
GAD2032-E1(X2267)	TEE16X16	245	48.00%
GAD2033-E3(X2269)	TEE16X16	245	48.80%
GBD2021-E1(X2192)	ELB/4"	246	43%
GBD2021-E2(X2155)	ELB/4"	246	46.80%
GBD2023-E2(X2154)	ELB/4"	246	36.70%
GBD2033-E1A/B(X2795)	RED/8X6"	247	49.50%
GBD2132-E3(X2046)	ORF/16"	245	28.76%
GBD2252-E1A/B(X2482)	TEE/4X1	243	50%
GBD2381-E3(X2082)	ORF/4"	284	32%
GFD2013-E1(X2519)	ELB/16"	246	1.60%
GFD2014-E2(X2011)	ELB/16"	246	0%
GFD2015-E2(X2865)	PIPE/16"	246	7.20%
GFD2031-E1A/B(X2125)	TEE/6X4"	293	43%
HBD2063-E2(X2231)	ELB/3"	282	15%
HBD2144-E1(X2304)	ELB/3"	247	31.90%
HBD2201-E1(X2301)	ELB/3"	247	30.56%
HBD2201-E2(X2300)	ELB/4.0"	247	56.96%
HBD2201-E3	ELB/4.5"	247	110.13%
HBD2202-E1(X2303)	ELB/3"	247	83%
HBD2202-E10	ELB/4.5"	247	188.61%
HBD2202-E11	ELB/4.5"	247	156.62%
HBD2202-E2	ELB/4.5"	247	118.97%
HBD2202-E3	ELB/4.5"	247	305.17%
HBD2202-E4	ELB/4.5"	247	253.17%
HBD2202-E5	ELB/4.5"	247	243.04%
HBD2202-E6	ELB/4.5"	247	145.57%
HBD2202-E7	ELB/4.5"	247	216.46%
HBD2202-E8	ELB/4.5"	247	232.91%
HBD2202-E9	ELB/4.5"	247	245.57%
HBD2203-E1(X2157)	ELB/3"	247	12.50%
HBD2203-E2(X2033)	ELB/4"	247	29.11%
HBD2203-E3	ELB/4.0"	247	146.84%
HBD2541-E1(X2166)	ELB/4"	292	48.75%
HBD2682-E1(X2816)	ELB/4"	244	66.25%
HGD2012-E1(X2253)	ELB/16"	246	0%

COMPONENT ID	TYPE/SIZE	SYS#	E/C
HGD2092-E1(X2164)	ELB/26"	246	14%
HGD2093-E1(X2165)	ELB/26"	246	0%
SPEAD2141-E1(X2133)	E.B/1"	243	29%
SPEAD2141-E2(X2232)	BEND/1"	243	29.20%
SPEBD2111-E1(2183)	ORF/1"	248	81%
SPGAD24423-E4(X2236)	VLV/1"	292	25.30%
SPGAD2541-E1(X2105)	ELB/1"	243	42%
SPGAD2541-E7(X2699)	ORF/1"	243	34.90%
SPGBD2021-E1(X2026)	ELB/2"	246	47.80%
SPGBD2022-E1(X2127)	ELB/2"	246	113%
SPGBD2025-E1(X2590)	ELB/2.0"	284	53.91%
SPGBD2027-E1(X2591)	ELB/2"	246	48.70%
SPGBD2028-E1(X2195)	ELB/2"	246	40.87%
SPGBD2331-E1(X2207)	ELB/1"	248	41.50%
SPGBD2384-E3(X2179)	VLV/1"	283	106%
SPGBD2441-E5(X2120)	VLV/1"	292	45.80%
SPGBD2521-E3(X2043)	ELB/1"	243	14.50%
SPGFD2021-E2(X2107)	ORF/1"	284	0%
SPHAD2104-E2(X2027)	ELB/2"	246	34.20%
SPHAD2523-E2(X2112)	VLV/2"	246	39.70%
SPHBD20732-E3(X2678)	BEND/2"	243	36.98%
SPHBD20853-E2A/B(X2215)	RED/1.5X1	248	23.88%
SPHBD2094-E2(X2202)	ELB/2"	246	16.43%
SPHBD2097-E2(X2480)	VLV/2"	246	31.50%
SPHBD2101-E1(X2199)	ELB/2"	246	49.30%
SPHBD2105-E2(X2197)	BEND/2"	246	39.70%
SPHBD2151-E4(X2162)	ELB/2"	283	42.40%
SSH-E1A/B(X2187)	RED/12X8"	192	25.20%
VNBB213-E2(X2174)	ELB/26"	283	21.30%

APPENDIX F
CONTAINMENT INSPECTIONS

Susquehanna SES ISI Containment Inspection Listing
Unit 2

Interval: 1
Period: 2
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Exterior Concrete Surface/704 - 719/0° - 90° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911027	3/19/2003	
Drywell - Exterior Concrete Surface/704 - 719/180° - 270° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911027	3/19/2003	
Drywell - Exterior Concrete Surface/704 - 719/270° - 360° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911027	3/19/2003	
Drywell - Exterior Concrete Surface/704 - 719/90° - 180° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911027	3/19/2003	
Drywell - Exterior Concrete Surface/719 - 749/0° - 90° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911028	3/24/2003	
Drywell - Exterior Concrete Surface/719 - 749/180° - 270° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911028	3/24/2003	
Drywell - Exterior Concrete Surface/719 - 749/270° - 360° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911028	3/24/2003	
Drywell - Exterior Concrete Surface/719 - 749/90° - 180° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911028	3/24/2003	
Drywell - Exterior Concrete Surface/749 - 779/0° - 90° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911029	3/21/2003	
Drywell - Exterior Concrete Surface/749 - 779/180° - 270° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911029	3/21/2003	
Drywell - Exterior Concrete Surface/749 - 779/270° - 360° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911029	3/21/2003	
Drywell - Exterior Concrete Surface/749 - 779/90° - 180° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911029	3/21/2003	

Susquehanna SES ISI Containment Inspection Listing
Unit 2

Interval: 1
Period: 2
Outage: 11

ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Exterior Concrete Surface/779 - 791/0° - 90° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C						Inaccessible
Drywell - Exterior Concrete Surface/779 - 791/180° - 270° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C						Inaccessible
Drywell - Exterior Concrete Surface/779 - 791/270° - 360° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C						Inaccessible
Drywell - Exterior Concrete Surface/779 - 791/90° - 180° Drywell Concrete Surface		L-A	L1.11	XI	VT-3C						Inaccessible
Drywell - Exterior/Liner Plate/791' - 794'/0° - 90°		E-A	E1.11	XI	GV		GV	NRI	9911013	4/14/2003	
Liner Plate			E1.12								
Drywell - Exterior/Liner Plate/791' - 794'/180° - 270°		E-A	E1.11	XI	GV		GV	NRI	9911013	4/14/2003	
Liner Plate			E1.12								
Drywell - Exterior/Liner Plate/791' - 794'/270° - 360°		E-A	E1.11	XI	GV		GV	NRI	9911013	4/14/2003	
Liner Plate			E1.12								
Drywell - Exterior/Liner Plate/791' - 794'/90° - 180°		E-A	E1.11	XI	GV		GV	NRI	9911013	4/14/2003	
Liner Plate			E1.12								
Drywell - Exterior/X-10/709/209°	STEAM TO RCIC TURBINE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-10			E1.12								
Drywell - Exterior/X-100A/706/306°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100A			E1.12								
Drywell - Exterior/X-100B/706/47°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100B			E1.12								

Susquehanna SES ISI Containment Inspection Listing
Unit 2

Interval: 1
Period: 2
Outage: 11

ISI Identifier / Description	Line Number	Section XI Cat.	Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Exterior/X-100C/706/313°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100C			E1.12								
Drywell - Exterior/X-100D/706/54°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100D			E1.12								
Drywell - Exterior/X-100E/711/307°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100E			E1.12								
Drywell - Exterior/X-100F/711/46°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100F			E1.12								
Drywell - Exterior/X-100G/711/313°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100G			E1.12								
Drywell - Exterior/X-100H/711/53°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-100H			E1.12								
Drywell - Exterior/X-101A/735/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-101A			E1.12								
Drywell - Exterior/X-101B/732/114°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-101B			E1.12								
Drywell - Exterior/X-101C/732/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-101C			E1.12								
Drywell - Exterior/X-101D/728/114°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-101D			E1.12								
Drywell - Exterior/X-101E/730/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-101E			E1.12								

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Drywell - Exterior/X-101F/727/114°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-101F			E1.12								
Drywell - Exterior/X-102A/729/262°	TEMP AND LOW LEVEL SIS	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-102A			E1.12								
Drywell - Exterior/X-102B/729/85°	NON ESS LOW LEVEL SIGNALS	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-102B			E1.12								
Drywell - Exterior/X-103A/706/334°	TEMP AND LOW LEVEL SIGNALS	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-103A			E1.12								
Drywell - Exterior/X-103B/711/36°	TEMP AND LOW LEVEL SIGNALS	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-103B			E1.12								
Drywell - Exterior/X-104A/706/341°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104A			E1.12								
Drywell - Exterior/X-104B/711/22°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104B			E1.12								
Drywell - Exterior/X-104C/711/345°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104C			E1.12								
Drywell - Exterior/X-104D/711/29°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104D			E1.12								
Drywell - Exterior/X-104E/706/347°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104E			E1.12								
Drywell - Exterior/X-104F/706/33°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104F			E1.12								

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Drywell - Exterior/X-104G/711/353°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104G			E1.12								
Drywell - Exterior/X-104H/706/26°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-104H			E1.12								
Drywell - Exterior/X-105A/729/286°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-105A			E1.12								
Drywell - Exterior/X-105B/728/107°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-105B			E1.12								
Drywell - Exterior/X-105C/728/212°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-105C			E1.12								
Drywell - Exterior/X-105D/740/42°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV				9911011	3/14/2003	inaccessible
X-105D			E1.12								
Drywell - Exterior/X-106A/728/277°	LOW VOLTAGE CONTROL	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-106A			E1.12								
Drywell - Exterior/X-106B/728/97°	LOW VOLTAGE CONTROL	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-106B			E1.12								
Drywell - Exterior/X-106C/729/223°	LOW VOLTAGE CONTROL	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-106C			E1.12								
Drywell - Exterior/X-106D/740/54°	LOW VOLTAGE CONTROL	E-A	E1.11	XI	GV				9911011	3/14/2003	inaccessible
X-106D			E1.12								
Drywell - Exterior/X-107/740/65°	LOW VOLTAGE CONTROL	E-A	E1.11	XI	GV				9911011	3/14/2003	inaccessible
X-107			E1.12								
Drywell - Exterior/X-108/729/234°	LOW VOLTAGE CONTROL	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-108			E1.12								

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Drywell - Exterior/X-11/708/147°	STEAM TO HPCI TURBINE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-11			E1.12								
Drywell - Exterior/X-12/710/176°	RHR SHUTDOWN SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-12			E1.12								
Drywell - Exterior/X-13A/710/200°	RHR SHUTDOWN RETURN	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-13A			E1.12								
Drywell - Exterior/X-13B/710/161°	RHR SHUTDOWN RETURN	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-13B			E1.12								
Drywell - Exterior/X-14/750/302°	REACTOR WATER CLEANUP SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-14			E1.12								
Drywell - Exterior/X-15/709/124°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-15			E1.12								
Drywell - Exterior/X-16A/763/353°	CORE SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-16A			E1.12								
Drywell - Exterior/X-16B/763/6°	CORE SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-16B			E1.12								
Drywell - Exterior/X-17/710/247°	RPV HEAD SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-17			E1.12								
Drywell - Exterior/X-18/709/127°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-18			E1.12								
Drywell - Exterior/X-19/709/120°	INSTRUMENT GAS	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-19			E1.12								
Drywell - Exterior/X-20/763/21°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-20			E1.12								

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Drywell - Exterior/X-21/734/40°	INSTRUMENT GAS - A	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-21			E1.12								
Drywell - Exterior/X-22/734/43°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-22			E1.12								
Drywell - Exterior/X-23/709/186°	CLOSED COOLING WATER SUPPLY	E-A	E1.11	XI	GV				9911010	3/16/2003	Inaccessible
X-23			E1.12								
Drywell - Exterior/X-24/709/183°	CLOSED COOLING WATER RETURN	E-A	E1.11	XI	GV				9911010	3/16/2003	Inaccessible
X-24			E1.12								
Drywell - Exterior/X-25/710/236°	DRYWELL PURGE SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-25			E1.12								
Drywell - Exterior/X-26/772/316°	DRYWELL PURGE RETURN	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-26			E1.12								
Drywell - Exterior/X-27A/732/239°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-27A			E1.12								
Drywell - Exterior/X-27B/726/61°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-27B			E1.12								
Drywell - Exterior/X-28A/739/248°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-28A			E1.12								
Drywell - Exterior/X-28B/729/61°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-28B			E1.12								
Drywell - Exterior/X-29A/739/243°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-29A			E1.12								
Drywell - Exterior/X-29B/732/61°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-29B			E1.12								

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Drywell - Exterior/X-30A/710/322°	INSTRUMENTATION	E-A	E1.11	XI	GV						
X-30A			E1.12								
Drywell - Exterior/X-30B/704/132°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-30B			E1.12								
Drywell - Exterior/X-31A/732/228°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-31A			E1.12								
Drywell - Exterior/X-31B/726/162°	DCA SPARES	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-31B			E1.12								
Drywell - Exterior/X-32A/757/50°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-32A			E1.12								
Drywell - Exterior/X-32B/756/127°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-32B			E1.12								
Drywell - Exterior/X-33A/708/327°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-33A			E1.12								
Drywell - Exterior/X-33B/704/125°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-33B			E1.12								
Drywell - Exterior/X-34A/704/154°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-34A			E1.12								
Drywell - Exterior/X-34B/704/19°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-34B			E1.12								
Drywell - Exterior/X-35A/717/50°	TIP DRIVES	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-35A			E1.12								
Drywell - Exterior/X-35B/717/48°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-35B			E1.12								

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Drywell - Exterior/X-35C/717/46°	TIP DRIVES	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-35C			E1.12								
Drywell - Exterior/X-35D/717/44°	TIP DRIVES	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-35D			E1.12								
Drywell - Exterior/X-35E/717/41°	TIP DRIVES	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-35E			E1.12								
Drywell - Exterior/X-35F/717/39°	TIP DRIVES	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-35F			E1.12								
Drywell - Exterior/X-36/750/169°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-36			E1.12								
Drywell - Exterior/X-37A/735/258°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-37A			E1.12								
Drywell - Exterior/X-37B/735/102°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-37B			E1.12								
Drywell - Exterior/X-37C/735/282°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-37C			E1.12								
Drywell - Exterior/X-37D/735/78°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-37D			E1.12								
Drywell - Exterior/X-38A/735/258°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-38A			E1.12								
Drywell - Exterior/X-38B/735/102°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-38B			E1.12								
Drywell - Exterior/X-38C/735/282°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-38C			E1.12								

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Drywell - Exterior/X-38D/735/78°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-38D			E1.12								
Drywell - Exterior/X-39A/753/165°	CONTAINMENT SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-39A			E1.12								
Drywell - Exterior/X-39B/763/0° +6	CONTAINMENT SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-39B			E1.12								
Drywell - Exterior/X-3A/756/111°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-3A			E1.12								
Drywell - Exterior/X-3B/756/76°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-3B			E1.12								
Drywell - Exterior/X-3C/756/104°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-3C			E1.12								
Drywell - Exterior/X-3D/756/79°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-3D			E1.12								
Drywell - Exterior/X-40A/729/243°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40A			E1.12								
Drywell - Exterior/X-40B/729/248°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40B			E1.12								
Drywell - Exterior/X-40C/735/243°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40C			E1.12								
Drywell - Exterior/X-40D/732/243°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40D			E1.12								
Drywell - Exterior/X-40E/729/77°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40E			E1.12								

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Drywell - Exterior/X-40F/729/73°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40F			E1.12								
Drywell - Exterior/X-40G/729/69°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40G			E1.12								
Drywell - Exterior/X-40H/729/65°	JET PUMP INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-40H			E1.12								
Drywell - Exterior/X-41/754/174°	INSTRUMENT GAS	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-41			E1.12								
Drywell - Exterior/X-42/750/179°	STAND BY LIQUID CONTROL	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-42			E1.12								
Drywell - Exterior/X-44/726/12°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-44			E1.12								
Drywell - Exterior/X-45/763/270°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-45			E1.12								
Drywell - Exterior/X-46/727/359°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-46			E1.12								
Drywell - Exterior/X-47/757/167°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-47			E1.12								
Drywell - Exterior/X-48A/704/157°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-48A			E1.12								
Drywell - Exterior/X-48B/732/65°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-48B			E1.12								
Drywell - Exterior/X-49A/704/327°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-49A			E1.12								

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Drywell - Exterior/X-49B/704/44°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-49B			E1.12								
Drywell - Exterior/X-5/724/239°	CRM SUPPLY AND RETURN	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-5			E1.12								
Drywell - Exterior/X-50A/704/215°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-50A			E1.12								
Drywell - Exterior/X-50B/704/142°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-50B			E1.12								
Drywell - Exterior/X-51A/704/324°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-51A			E1.12								
Drywell - Exterior/X-51B/704/145°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-51B			E1.12								
Drywell - Exterior/X-52A/708/323°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-52A			E1.12								
Drywell - Exterior/X-52B/704/137°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-52B			E1.12								
Drywell - Exterior/X-53/736/39°	CHILLED WATER SUPPLY B	E-A	E1.11	XI	GV				9911011	3/14/2003	Inaccessible
X-53			E1.12								
Drywell - Exterior/X-54/736/51°	CHILLED WATER RETURN B	E-A	E1.11	XI	GV				9911011	3/14/2003	Inaccessible
X-54			E1.12								
Drywell - Exterior/X-55/736/223°	CHILLED WATER SUPPLY A	E-A	E1.11	XI	GV				9911011	3/14/2003	Inaccessible
X-55			E1.12								
Drywell - Exterior/X-56/736/219°	CHILLED WATER RETURN A	E-A	E1.11	XI	GV				9911011	3/14/2003	Inaccessible
X-56			E1.12								

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Drywell - Exterior/X-57/755/169°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-57			E1.12								
Drywell - Exterior/X-58A/735/228°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-58A			E1.12								
Drywell - Exterior/X-58B/735/65°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-58B			E1.12								
Drywell - Exterior/X-59A/775/54°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-59A			E1.12								
Drywell - Exterior/X-59B/775/131°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-59B			E1.12								
Drywell - Exterior/X-6 (CRD Hatch)/718/216°	CRD REMOVAL HATCH	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-6 (CRD Hatch)			E1.12								
Drywell - Exterior/X-60A/726/294°	MINI PURGE LINE B	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-60A			E1.12								
Drywell - Exterior/X-60B/735/61°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-60B			E1.12								
Drywell - Exterior/X-61A/726/243°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-61A			E1.12								
Drywell - Exterior/X-61B/726/65°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-61B			E1.12								
Drywell - Exterior/X-62A/726/248°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-62A			E1.12								
Drywell - Exterior/X-62B/726/69°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-62B			E1.12								

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Drywell - Exterior/X-63A/726/253°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-63A			E1.12								
Drywell - Exterior/X-63B/726/73°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-63B			E1.12								
Drywell - Exterior/X-64A/729/253°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-64A			E1.12								
Drywell - Exterior/X-64B/726/77°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-64B			E1.12								
Drywell - Exterior/X-65A/768/54°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-65A			E1.12								
Drywell - Exterior/X-65B/768/131°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-65B			E1.12								
Drywell - Exterior/X-66A/756/54°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-66A			E1.12								
Drywell - Exterior/X-66B/756/131°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-66B			E1.12								
Drywell - Exterior/X-72A/704/229°	FLOOR AND EQUIPMENT DRAINS	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-72A			E1.12								
Drywell - Exterior/X-72B/704/231°	FLOOR AND EQUIPMENT DRAINS	E-A	E1.11	XI	GV		GV	NRI	9911010	2/25/2003	
X-72B			E1.12								
Drywell - Exterior/X-7A/740/0° +3	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-7A			E1.12								
Drywell - Exterior/X-7B/740/0° +11	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-7B			E1.12								

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Drywell - Exterior/X-7C/740/0° -10	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-7C			E1.12								
Drywell - Exterior/X-7D/740/0° -3	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-7D			E1.12								
Drywell - Exterior/X-8/731/0°	MAIN STEAM LINE DRAIN	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-8			E1.12								
Drywell - Exterior/X-80A/726/159°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-80A			E1.12								
Drywell - Exterior/X-80B/726/156°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-80B			E1.12								
Drywell - Exterior/X-80C/726/153°	H2/O2 ANALYZER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-80C			E1.12								
Drywell - Exterior/X-81A/756/66°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-81A			E1.12								
Drywell - Exterior/X-81B/756/123°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-81B			E1.12								
Drywell - Exterior/X-82A/756/62°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-82A			E1.12								
Drywell - Exterior/X-82B/756/119°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-82B			E1.12								
Drywell - Exterior/X-83A/704/150°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-83A			E1.12								
Drywell - Exterior/X-83B/704/15°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-83B			E1.12								

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Drywell - Exterior/X-84A/756/58°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-84A			E1.12								
Drywell - Exterior/X-84B/756/115°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911012	3/15/2003	
X-84B			E1.12								
Drywell - Exterior/X-85A/736/318°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV				9911011	3/14/2003	inaccessible
X-85A			E1.12								
Drywell - Exterior/X-85B/736/321°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV				9911011	3/14/2003	inaccessible
X-85B			E1.12								
Drywell - Exterior/X-86A/735/114°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV				9911011	3/14/2003	inaccessible
X-86A			E1.12								
Drywell - Exterior/X-86B/735/112°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-86B			E1.12								
Drywell - Exterior/X-87/734/46°	INSTRUMENT GAS RETURN	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-87			E1.12								
Drywell - Exterior/X-88A/721/115°	DRYWELL N2 MAKEUP	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-88A			E1.12								
Drywell - Exterior/X-88B/721/294°	H2/O2 ANALYZER	E-A	E1.11	XI	GV		GV	NRI	9911011	3/14/2003	
X-88B			E1.12								
Drywell - Exterior/X-90A/711/327°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-90A			E1.12								
Drywell - Exterior/X-90B/711/332°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-90B			E1.12								
Drywell - Exterior/X-90C/711/336°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911010	3/16/2003	
X-90C			E1.12								

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Drywell - Exterior/X-90D/711/141° X-90D	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X-90E/711/137° X-90E	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X-90F/711/133° X-90F	SPARE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X-91A/726/165° X-91A	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X-91B/732/57° X-91B	SPARE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X-92/735/57° X-92	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X-93/717/37° X-93	TIP PURGE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911010	3/16/2003	
Drywell - Exterior/X-94/734/36° X-94	SPARE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911011	3/14/2003	
Drywell - Exterior/X-9A/753/0° -3 X-9A	FEEDWATER	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911012	3/15/2003	
Drywell - Exterior/X-9B/753/0° +3 X-9B	FEEDWATER	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911012	3/15/2003	
Drywell - Interior/Liner Plate/704 - 719/0° - 90° Liner Plate		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/Liner Plate/704 - 719/180° - 270° Liner Plate		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	

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Drywell - Interior/Liner Plate/704 - 719/270° - 360°		E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/704 - 719/90° - 180°		E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/719 - 738/0° - 90°		E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/719 - 738/180° - 270°		E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/719 - 738/270° - 360°		E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/719 - 738/90° - 180°		E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/738' - 752'/0° - 90°		E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/738' - 752'/180° - 270°		E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/738' - 752'/270° - 360°		E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/738' - 752'/90° - 180°		E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/752' - 767'/0° - 90°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/752' - 767'/180° - 270°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								

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Drywell - Interior/Liner Plate/752' - 767'/270° - 360°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/752' - 767'/90° - 180°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/767' - 779'/0° - 90°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/767' - 779'/180° - 270°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/767' - 779'/270° - 360°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/767' - 779'/90° - 180°		E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/779 - 791/0° - 90°		E-A	E1.11	XI	GV		GV	NRI	9911019	3/30/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/779 - 791/180° - 270°		E-A	E1.11	XI	GV		GV	NRI	9911019	3/30/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/779 - 791/270° - 360°		E-A	E1.11	XI	GV		GV	NRI	9911019	3/30/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/779 - 791/90° - 180°		E-A	E1.11	XI	GV		GV	NRI	9911019	3/30/2003	
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/791' - 794'/0° - 90°		E-A	E1.11	XI	GV						Inaccessible
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/791' - 794'/180° - 270°		E-A	E1.11	XI	GV						Inaccessible
Liner Plate			E1.12								

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Drywell - Interior/Liner Plate/791' - 794'/270° - 360°		E-A	E1.11	XI	GV						Inaccessible
Liner Plate			E1.12								
Drywell - Interior/Liner Plate/791' - 794'/90° - 180°		E-A	E1.11	XI	GV						Inaccessible
Liner Plate			E1.12								
Drywell - Interior/X-10/709/209°	STEAM TO RCIC TURBINE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	Insulated pipe inside penetration - light corrosion
X-10			E1.12								
Drywell - Interior/X-100A/706/306°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV						Inaccessible
X-100A			E1.12								
Drywell - Interior/X-100B/706/47°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV						Inaccessible
X-100B			E1.12								
Drywell - Interior/X-100C/706/313°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV						Inaccessible
X-100C			E1.12								
Drywell - Interior/X-100D/706/54°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV						Inaccessible
X-100D			E1.12								
Drywell - Interior/X-100E/711/307°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-100E			E1.12								
Drywell - Interior/X-100F/711/46°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-100F			E1.12								
Drywell - Interior/X-100G/711/313°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-100G			E1.12								
Drywell - Interior/X-100H/711/53°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV						Inaccessible
X-100H			E1.12								

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Drywell - Interior/X-101A/735/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-101A			E1.12								
Drywell - Interior/X-101B/732/114°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-101B			E1.12								
Drywell - Interior/X-101C/732/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-101C			E1.12								
Drywell - Interior/X-101D/728/114°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-101D			E1.12								
Drywell - Interior/X-101E/730/294°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-101E			E1.12								
Drywell - Interior/X-101F/727/114°	MEDIUM VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-101F			E1.12								
Drywell - Interior/X-102A/729/262°	TEMP AND LOW LEVEL SIS	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-102A			E1.12								
Drywell - Interior/X-102B/729/85°	NON ESS LOW LEVEL SIGNALS	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-102B			E1.12								
Drywell - Interior/X-103A/706/334°	TEMP AND LOW LEVEL SIGNALS	E-A	E1.11	XI	GV						Inaccessible
X-103A			E1.12								
Drywell - Interior/X-103B/711/36°	TEMP AND LOW LEVEL SIGNALS	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-103B			E1.12								
Drywell - Interior/X-104A/706/341°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV						Inaccessible
X-104A			E1.12								
Drywell - Interior/X-104B/711/22°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-104B			E1.12								

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Drywell - Interior/X-104C/711/345°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-104C			E1.12								
Drywell - Interior/X-104D/711/29°	CRD PRO POSITION INDICATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-104D			E1.12								
Drywell - Interior/X-104E/706/347°	NEUTRON MONITORING SYSTEM	E-A	E1.11	XI	GV						Inaccessible
X-104E			E1.12								
Drywell - Interior/X-104F/706/33°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-104F			E1.12								
Drywell - Interior/X-104G/711/353°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-104G			E1.12								
Drywell - Interior/X-104H/706/26°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-104H			E1.12								
Drywell - Interior/X-105A/729/286°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-105A			E1.12								
Drywell - Interior/X-105B/728/107°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-105B			E1.12								
Drywell - Interior/X-105C/728/212°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-105C			E1.12								
Drywell - Interior/X-105D/740/42°	MISC LOW VOLTAGE POWER	E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
X-105D			E1.12								
Drywell - Interior/X-106A/728/277°	LOW VOLTAGE CONTROL	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-106A			E1.12								

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Drywell - Interior/X-106B/728/97° X-106B	LOW VOLTAGE CONTROL	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X-106C/729/223° X-106C	LOW VOLTAGE CONTROL	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X-106D/740/54° X-106D	LOW VOLTAGE CONTROL	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
Drywell - Interior/X-107/740/65° X-107	LOW VOLTAGE CONTROL	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
Drywell - Interior/X-108/729/234° X-108	LOW VOLTAGE CONTROL	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X-11/708/147° X-11	STEAM TO HPCI TURBINE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-12/710/176° X-12	RHR SHUTDOWN SUPPLY	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-13A/710/200° X-13A	RHR SHUTDOWN RETURN	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-13B/710/161° X-13B	RHR SHUTDOWN RETURN	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-14/750/302° X-14	REACTOR WATER CLEANUP SUPPLY	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-15/709/124° X-15	SPARE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-16A/763/353° X-16A	CORE SPRAY	E-A	E1.11 E1.12	XI	GV						Inaccessible

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Drywell - Interior/X-16B/763/6°	CORE SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
X-16B			E1.12								
Drywell - Interior/X-17/710/247°	RPV HEAD SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-17			E1.12								
Drywell - Interior/X-18/709/127°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-18			E1.12								
Drywell - Interior/X-19/709/120°	INSTRUMENT GAS	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-19			E1.12								
Drywell - Interior/X-20/763/21°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
X-20			E1.12								
Drywell - Interior/X-21/734/40°	INSTRUMENT GAS - A	E-A	E1.11	XI	GV						Inaccessible
X-21			E1.12								
Drywell - Interior/X-22/734/43°	SPARE	E-A	E1.11	XI	GV						Inaccessible
X-22			E1.12								
Drywell - Interior/X-23/709/186°	CLOSED COOLING WATER SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	Inspected (previously inaccessible)
X-23			E1.12								
Drywell - Interior/X-24/709/183°	CLOSED COOLING WATER RETURN	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	Inspected (previously inaccessible)
X-24			E1.12								
Drywell - Interior/X-25/710/236°	DRYWELL PURGE SUPPLY	E-A	E1.11	XI	GV						Inaccessible
X-25			E1.12								
Drywell - Interior/X-26/772/316°	DRYWELL PURGE RETURN	E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
X-26			E1.12								
Drywell - Interior/X-27A/732/239°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-27A			E1.12								

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Drywell - Interior/X-27B/726/61°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-27B			E1.12								
Drywell - Interior/X-28A/739/248°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-28A			E1.12								
Drywell - Interior/X-28B/729/61°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-28B			E1.12								
Drywell - Interior/X-29A/739/243°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-29A			E1.12								
Drywell - Interior/X-29B/732/61°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-29B			E1.12								
Drywell - Interior/X-30A/710/322°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-30A			E1.12								
Drywell - Interior/X-30B/704/132°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-30B			E1.12								
Drywell - Interior/X-31A/732/228°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-31A			E1.12								
Drywell - Interior/X-31B/726/162°	DCA SPARES	E-A	E1.11	XI	GV						Inaccessible
X-31B			E1.12								
Drywell - Interior/X-32A/757/50°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-32A			E1.12								
Drywell - Interior/X-32B/756/127°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-32B			E1.12								
Drywell - Interior/X-33A/708/327°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-33A			E1.12								

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Drywell - Interior/X-33B/704/125°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-33B			E1.12								
Drywell - Interior/X-34A/704/154°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-34A			E1.12								
Drywell - Interior/X-34B/704/19°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-34B			E1.12								
Drywell - Interior/X-35A/717/50°	TIP DRIVES	E-A	E1.11	XI	GV						Inaccessible
X-35A			E1.12								
Drywell - Interior/X-35B/717/48°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	Inspected (previously inaccessible)
X-35B			E1.12								
Drywell - Interior/X-35C/717/46°	TIP DRIVES	E-A	E1.11	XI	GV						Inaccessible
X-35C			E1.12								
Drywell - Interior/X-35D/717/44°	TIP DRIVES	E-A	E1.11	XI	GV						Inaccessible
X-35D			E1.12								
Drywell - Interior/X-35E/717/41°	TIP DRIVES	E-A	E1.11	XI	GV						Inaccessible
X-35E			E1.12								
Drywell - Interior/X-35F/717/39°	TIP DRIVES	E-A	E1.11	XI	GV						Inaccessible
X-35F			E1.12								
Drywell - Interior/X-36/750/169°	SPARE	E-A	E1.11	XI	GV						Inaccessible
X-36			E1.12								
Drywell - Interior/X-37A/735/258°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-37A			E1.12								
Drywell - Interior/X-37B/735/102°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-37B			E1.12								

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Drywell - Interior/X-37C/735/282°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-37C			E1.12								
Drywell - Interior/X-37D/735/78°	CRD SUPPLY	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-37D			E1.12								
Drywell - Interior/X-38A/735/258°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-38A			E1.12								
Drywell - Interior/X-38B/735/102°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-38B			E1.12								
Drywell - Interior/X-38C/735/282°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-38C			E1.12								
Drywell - Interior/X-38D/735/78°	CRD RETURN	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-38D			E1.12								
Drywell - Interior/X-39A/753/165°	CONTAINMENT SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
X-39A			E1.12								
Drywell - Interior/X-39B/736/0° +6	CONTAINMENT SPRAY	E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
X-39B			E1.12								
Drywell - Interior/X-3A/756/111°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-3A			E1.12								
Drywell - Interior/X-3B/756/76°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
X-3B			E1.12								
Drywell - Interior/X-3C/756/104°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-3C			E1.12								
Drywell - Interior/X-3D/756/79°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911017	3/27/2003	
X-3D			E1.12								

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Drywell - Interior/X-40A/729/243° X-40A	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-40B/729/248° X-40B	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-40C/735/243° X-40C	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-40D/732/243° X-40D	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-40E/729/77° X-40E	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-40F/729/73° X-40F	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-40G/729/69° X-40G	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-40H/729/65° X-40H	JET PUMP INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-41/754/174° X-41	INSTRUMENT GAS	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911017	3/27/2003	
Drywell - Interior/X-42/750/179° X-42	STAND BY LIQUID CONTROL	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911016	3/29/2003	
Drywell - Interior/X-44/726/12° X-44	SPARE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X-45/763/270° X-45	SPARE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911017	3/27/2003	

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Drywell - Interior/X-46/727/359° X-46	SPARE	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911015	3/24/2003	
Drywell - Interior/X-47/757/167° X-47	SPARE	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-48A/704/157° X-48A	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-48B/732/65° X-48B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-49A/704/327° X-49A	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-49B/704/44° X-49B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-5/724/239° X-5	CRM SUPPLY AND RETURN	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-50A/704/215° X-50A	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	Inspected (previously inaccessible)
Drywell - Interior/X-50B/704/142° X-50B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-51A/704/324° X-51A	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible
Drywell - Interior/X-51B/704/145° X-51B	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV		GV	NRI	9911014	3/23/2003	
Drywell - Interior/X-52A/708/323° X-52A	INSTRUMENTATION	E-A	E1.11 E1.12	XI	GV						Inaccessible

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Drywell - Interior/X-52B/704/137°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-52B			E1.12								
Drywell - Interior/X-53/736/39°	CHILLED WATER SUPPLY B	E-A	E1.11	XI	GV						Inaccessible
X-53			E1.12								
Drywell - Interior/X-54/736/51°	CHILLED WATER RETURN B	E-A	E1.11	XI	GV						Inaccessible
X-54			E1.12								
Drywell - Interior/X-55/736/223°	CHILLED WATER SUPPLY A	E-A	E1.11	XI	GV						Inaccessible
X-55			E1.12								
Drywell - Interior/X-56/736/219°	CHILLED WATER RETURN A	E-A	E1.11	XI	GV						Inaccessible
X-56			E1.12								
Drywell - Interior/X-57/755/169°	SPARE	E-A	E1.11	XI	GV						inaccessible
X-57			E1.12								
Drywell - Interior/X-58A/735/228°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-58A			E1.12								
Drywell - Interior/X-58B/735/65°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-58B			E1.12								
Drywell - Interior/X-59A/775/54°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-59A			E1.12								
Drywell - Interior/X-59B/775/131°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-59B			E1.12								
Drywell - Interior/X-6 (CRD Hatch)/718/216°	CRD REMOVAL HATCH	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-6			E1.12								
Drywell - Interior/X-60A/726/294°	MINI PURGE LINE B	E-A	E1.11	XI	GV						Inaccessible
X-60A			E1.12								

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Drywell - Interior/X-60B/735/61°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-60B			E1.12								
Drywell - Interior/X-61A/726/243°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-61A			E1.12								
Drywell - Interior/X-61B/726/65°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-61B			E1.12								
Drywell - Interior/X-62A/726/248°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-62A			E1.12								
Drywell - Interior/X-62B/726/69°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-62B			E1.12								
Drywell - Interior/X-63A/726/253°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-63A			E1.12								
Drywell - Interior/X-63B/726/73°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-63B			E1.12								
Drywell - Interior/X-64A/729/253°	INSTRUMENTATION	E-A	E1.11	XI	GV				9911015	3/24/2003	Inaccessible
X-64A			E1.12								
Drywell - Interior/X-64B/726/77°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-64B			E1.12								
Drywell - Interior/X-65A/768/54°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-65A			E1.12								
Drywell - Interior/X-65B/768/131°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-65B			E1.12								
Drywell - Interior/X-66A/756/54°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-66A			E1.12								

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Drywell - Interior/X-66B/756/131°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-66B			E1.12								
Drywell - Interior/X-72A/704/229°	FLOOR AND EQUIPMENT DRAINS	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-72A			E1.12								
Drywell - Interior/X-72B/704/231°	FLOOR AND EQUIPMENT DRAINS	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-72B			E1.12								
Drywell - Interior/X-7A/740/0° +3	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
X-7A			E1.12								
Drywell - Interior/X-7B/740/0° +11	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
X-7B			E1.12								
Drywell - Interior/X-7C/740/0° -10	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
X-7C			E1.12								
Drywell - Interior/X-7D/740/0° -3	MAIN STEAM	E-A	E1.11	XI	GV		GV	NRI	9911016	3/29/2003	Limited access due to insulation
X-7D			E1.12								
Drywell - Interior/X-8/731/0°	MAIN STEAM LINE DRAIN	E-A	E1.11	XI	GV						Inaccessible
X-8			E1.12								
Drywell - Interior/X-80A/726/159°	SPARE	E-A	E1.11	XI	GV						Inaccessible
X-80A			E1.12								
Drywell - Interior/X-80B/726/156°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-80B			E1.12								
Drywell - Interior/X-80C/726/153°	H2/O2 ANALYZER	E-A	E1.11	XI	GV						Inaccessible
X-80C			E1.12								
Drywell - Interior/X-81A/756/66°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-81A			E1.12								

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Drywell - Interior/X-81B/756/123°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-81B			E1.12								
Drywell - Interior/X-82A/756/62°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-82A			E1.12								
Drywell - Interior/X-82B/756/119°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-82B			E1.12								
Drywell - Interior/X-83A/704/150°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-83A			E1.12								
Drywell - Interior/X-83B/704/15°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-83B			E1.12								
Drywell - Interior/X-84A/756/58°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-84A			E1.12								
Drywell - Interior/X-84B/756/115°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-84B			E1.12								
Drywell - Interior/X-85A/736/318°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV						Inaccessible
X-85A			E1.12								
Drywell - Interior/X-85B/736/321°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV						Inaccessible
X-85B			E1.12								
Drywell - Interior/X-86A/735/114°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV						Inaccessible
X-86A			E1.12								
Drywell - Interior/X-86B/735/112°	CHILLED WATER TO RECIRC PUMPS	E-A	E1.11	XI	GV						Inaccessible
X-86B			E1.12								
Drywell - Interior/X-87/734/46°	INSTRUMENT GAS RETURN	E-A	E1.11	XI	GV						Inaccessible
X-87			E1.12								

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ISI Identifier / Description	Line Number	Section XI Cat.	Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X-88A/721/115°	DRYWELL N2 MAKEUP	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-88A			E1.12								
Drywell - Interior/X-88B/721/294°	H2/O2 ANALYZER	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	
X-88B			E1.12								
Drywell - Interior/X-90A/711/327°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-90A			E1.12								
Drywell - Interior/X-90B/711/332°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-90B			E1.12								
Drywell - Interior/X-90C/711/336°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-90C			E1.12								
Drywell - Interior/X-90D/711/141°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-90D			E1.12								
Drywell - Interior/X-90E/711/137°	INSTRUMENTATION	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-90E			E1.12								
Drywell - Interior/X-90F/711/133°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911014	3/23/2003	
X-90F			E1.12								
Drywell - Interior/X-91A/726/165°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-91A			E1.12								
Drywell - Interior/X-91B/732/57°	SPARE	E-A	E1.11	XI	GV						Inaccessible
X-91B			E1.12								
Drywell - Interior/X-92/735/57°	INSTRUMENTATION	E-A	E1.11	XI	GV						Inaccessible
X-92			E1.12								
Drywell - Interior/X-93/717/37°	TIP PURGE	E-A	E1.11	XI	GV						Inaccessible
X-93			E1.12								

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ISI Identifier Description	Line Number	Section XI Cat.	Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Drywell - Interior/X-94/734/36°	SPARE	E-A	E1.11	XI	GV		GV	NRI	9911015	3/24/2003	Inaccessible
X-94			E1.12								
Drywell - Interior/X-9A/753/0° -3	FEEDWATER	E-A	E1.11	XI	GV						Inaccessible
X-9A			E1.12								
Drywell - Interior/X-9B/753/0° +3	FEEDWATER	E-A	E1.11	XI	GV						Inaccessible
X-9B			E1.12								
Drywell Head/Head and Flange Exterior/794'		E-A	E1.11	XI	GV		GV	NRI	9911001	3/14/2003	
Head and Flange Exterior			E1.12								
Drywell Head/Head and Flange Interior/794'		E-A	E1.11	XI	GV		GV	NRI	9911001	3/14/2003	
Head and Flange Interior			E1.12								
Drywell Head/Head Flange Seal/794'		E-D	E5.10	XI	VT-3		VT-3	NRI	ISI-03-612	4/9/2003	
Head Flange Seal											
Drywell Head/Manhole Hatch Exterior (X-4)		E-A	E1.11	XI	GV		GV	NRI	9911002	3/15/2003	
Manhole Hatch Exterior (X-4)			E1.12								
Drywell Head/Manhole Hatch Interior (X-4)		E-A	E1.11	XI	GV		GV	NRI	9911002	3/15/2003	
Manhole Hatch Interior (X-4)			E1.12								
Equipment Hatch (X-1)/Barrel Section Exterior		E-A	E1.11	XI	GV		GV	NRI	9911009	4/5/2003	
Barrel Section Exterior			E1.12								
Equipment Hatch (X-1)/Barrel Section Interior		E-A	E1.11	XI	GV		GV	NRI	9911009	4/5/2003	
Barrel Section Interior			E1.12								
Equipment Hatch (X-1)/Head and Flange/723'/314°		E-A	E1.11	XI	GV		GV	NRI	9911008	4/5/2003	
Head and Flange			E1.12								

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ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Equipment Hatch (X-1)/Head Flange Bolting/723'/314° Head Flange Bolting		E-G	E8.10	XI	VT-1		VT-1	NRI	ISI-03-594	4/7/2003	ISI-03-594 performed PSI VT-1 on replacement bolts (2), nuts(2), and washers (2)
Penetrations/X-102A Bolting/729/262° X-102A Bolting	TEMP AND LOW LEVEL SIS	E-G	E8.10	XI	VT-1		VT-1	NRI	9911022	3/13/2003	
Penetrations/X-102B Bolting/729/85° X-102B Bolting	NON ESS LOW LEVEL SIGNALS	E-G	E8.10	XI	VT-1		VT-1	NRI	9911023	3/13/2003	
Personnel Access Airlock (X-2)/Barrel Section Bolting Barrel Section Bolting		E-G	E8.10	XI	VT-1		VT-1	NRI	9911021	3/10/2003	
Personnel Access Airlock (X-2)/Barrel Section Exterior Barrel Section Exterior		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911007	3/24/2003	
Personnel Access Airlock (X-2)/Barrel Section Interior Barrel Section Interior		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911006	3/24/2003	
Personnel Access Airlock (X-2)/External Bulkhead Bolting External Bulkhead Bolting		E-G	E8.10	XI	VT-1		VT-1	NRI	9911021	3/10/2003	
Personnel Access Airlock (X-2)/External Door Bolting/723'/134° External Door Bolting		E-G	E8.10	XI	VT-1		VT-1	NRI	9911021	3/10/2003	
Personnel Access Airlock (X-2)/Inner Bulkhead Exterior (DW) Inner Bulkhead Exterior (DW)		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911006	3/24/2003	
Personnel Access Airlock (X-2)/Inner Bulkhead Interior (AL) Inner Bulkhead Interior (AL)		E-A	E1.11 E1.12	XI	GV		GV	NRI	9911006	3/24/2003	

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ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Personnel Access Airlock (X-2)/Inner Door Exterior/723'/134°		E-A	E1.11	XI	GV		GV	NRI	9911004	3/24/2003	
Inner Door Exterior			E1.12								
Personnel Access Airlock (X-2)/Inner Door Interior/723'/134°		E-A	E1.11	XI	GV		GV	NRI	9911004	3/24/2003	
Inner Door Interior			E1.12								
Personnel Access Airlock (X-2)/Internal Bulkhead Bolting		E-G	E8.10	XI	VT-1		VT-1	NRI	9911021	3/10/2003	
Internal Bulkhead Bolting											
Personnel Access Airlock (X-2)/Internal Door Bolting		E-G	E8.10	XI	VT-1		VT-1	NRI	9911021	3/10/2003	
Internal Door Bolting											
Personnel Access Airlock (X-2)/Outer Bulkhead Exterior (RB)		E-A	E1.11	XI	GV		GV	NRI	9911005	3/24/2003	
Outer Bulkhead Exterior (RB)			E1.12								
Personnel Access Airlock (X-2)/Outer Bulkhead Interior (AL)		E-A	E1.11	XI	GV		GV	NRI	9911006	3/24/2003	
Outer Bulkhead Interior (AL)			E1.12								
Personnel Access Airlock (X-2)/Outer Door Exterior/723'/134°		E-A	E1.11	XI	GV		GV	NRI	9911003	3/24/2003	
Outer Door Exterior			E1.12								
Personnel Access Airlock (X-2)/Outer Door Interior/723'/134°		E-A	E1.11	XI	GV		GV	NRI	9911003	3/24/2003	
Outer Door Interior			E1.12								
Suppression Chamber - Exterior Concrete Surface/645 - 670/0° - 90°		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	Remote
Concrete Surface											
Suppression Chamber - Exterior Concrete Surface/645 - 670/180° - 270°		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Concrete Surface											

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ISI Identifier Description	Line Number	Section XI Cat.	 Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Suppression Chamber - Exterior Concrete Surface/645 - 670/270° - 360° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/645 - 670/90° - 180° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/670 - 683/0° - 90° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	El. 670' up to 8' above floor only
Suppression Chamber - Exterior Concrete Surface/670 - 683/180° - 270° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/670 - 683/270° - 360° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/670 - 683/90° - 180° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/683 - 704/0° - 90° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/683 - 704/180° - 270° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	
Suppression Chamber - Exterior Concrete Surface/683 - 704/270° - 360° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	

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ISI Identifier Description	Line Number	Section XI Cat.	Item	Inspection Reason	Required Exam	Code Coverage	Actual Exam	Results	Report Number	Date	Inspection Comments
Suppression Chamber - Exterior Concrete Surface/683 - 704/90° - 180° Concrete Surface		L-A	L1.11	XI	VT-3C		VT-3C	NRI	9911024	3/20/2003	

APPENDIX G

CORRECTIONS